

# JVC



**CD/CASSETTE RECEIVER**

**KW-XC777**

ENGLISH

**RECEPTOR DE CD-CASSETTE**

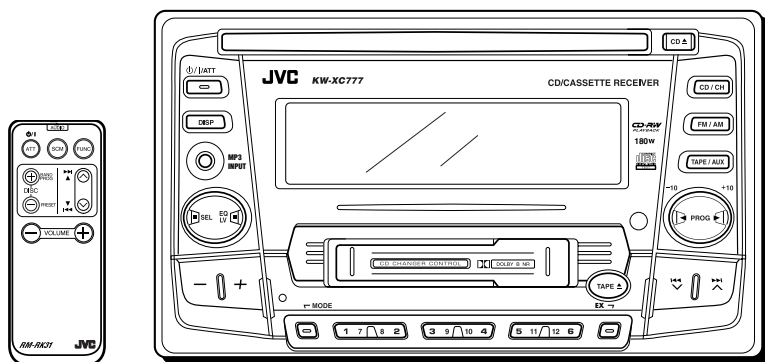
**KW-XC777**

ESPAÑOL

**RADIOCASSETTE/CD**

**KW-XC777**

FRANÇAIS



**CD-RW**  
PLAYBACK

For installation and connections, refer to the separate manual.  
Para la instalación y las conexiones, refiérase al manual separado.  
Pour l'installation et les raccordements, se référer au manuel séparé.

## INSTRUCTIONS

MANUAL DE INSTRUCCIONES  
MANUEL D'INSTRUCTIONS

### For customer Use:

Enter below the Model No. and  
Serial No. which are located on  
the top or bottom of the cabinet.  
Retain this information for future  
reference.

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

LVT0833-001A

[J]

### INFORMATION (For USA)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## IMPORTANT FOR LASER PRODUCTS

### Precautions:

1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. **CAUTION:** Do not open the top cover. There are no user-serviceable parts inside. Leave all servicing to qualified service personnel.
4. **CAUTION:** This CD player uses invisible laser radiation, however, is equipped with safety switches to prevent radiation emission when unloading CDs. It is dangerous to defeat the safety switches.
5. **CAUTION:** Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

### CAUTION on Volume Setting

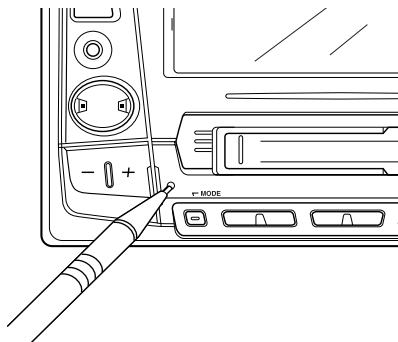
*CDs produce very little noise compared with other sources. If the volume level is adjusted for the tuner, for example, the speakers may be damaged by the sudden increase in the output level. Therefore, lower the volume before playing a CD and adjust it as required during playback.*

### How to reset your unit

Press the reset button on the front panel using a ball-point pen or similar tool.

#### Note:

*Your preset adjustments – such as preset channels or sound adjustments – will be erased.*



Thank you for purchasing a JVC product. Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

# CONTENTS

How to reset your unit .....	2	<b>TAPE OPERATIONS .....</b>	<b>15</b>
About the demonstration mode (DEMO MODE) .....	3	Listening to a tape .....	15
<b>LOCATION OF THE BUTTONS .....</b>	<b>4</b>	Finding the beginning of a tune .....	16
Control panel .....	4	Other convenient tape operations .....	17
Remote controller .....	5	Skipping blank portions on the tape .....	17
Preparing the remote controller .....	6	Playing the current tune repeatedly .....	17
<b>BASIC OPERATIONS .....</b>	<b>7</b>	Prohibiting tape ejection .....	17
<b>RADIO OPERATIONS .....</b>	<b>8</b>	<b>SOUND ADJUSTMENTS .....</b>	<b>18</b>
Listening to the radio .....	8	Adjusting the sound .....	18
Storing stations in memory .....	9	Reinforcing the bass sound .....	18
Automatic preset: SSM .....	9	Selecting preset sound modes .....	19
Manual preset .....	9	Storing your own sound adjustments .....	20
Storing your favorite station into the EX (extra) button .....	10	<b>LEVEL METER SETTING .....</b>	<b>21</b>
Tuning in to a preset station .....	10	Selecting level meter patterns .....	21
Other convenient tuner functions .....	11	Level meter patterns .....	21
Scanning broadcast stations .....	11	<b>OTHER MAIN FUNCTIONS .....</b>	<b>22</b>
Showing a station name .....	11	Setting the clock .....	22
Selecting FM reception mode .....	11	Changing general settings (PSM) .....	22
<b>CD OPERATIONS .....</b>	<b>12</b>	Assigning names to the sources .....	25
Playing a CD .....	12	<b>EXTERNAL COMPONENT OPERATIONS ...</b>	<b>27</b>
Playing a CD Text .....	13	<b>CD CHANGER OPERATIONS .....</b>	<b>28</b>
Locating a track or a particular portion on a CD .....	13	Playing CDs .....	28
Selecting CD playback modes .....	14	Selecting CD playback modes .....	30
Prohibiting CD ejection .....	14	<b>MAINTENANCE .....</b>	<b>31</b>
		Handling cassettes .....	31
		Handling CDs .....	32
		<b>TROUBLESHOOTING .....</b>	<b>33</b>
		<b>SPECIFICATIONS .....</b>	<b>35</b>

## About the demonstration mode (DEMO MODE)...

When shipped from the factory, "DEMO" is set to "DEMO ON" in this unit. The demonstration will start automatically if no sound comes in for 3 minutes. (See page 25.)

### To deactivate the demonstration mode

- 1 Press and hold SEL for more than 2 seconds so that one of the PSM items appears on the display.
- 2 Press ►◄ or ◀▶ to select "DEMO."
- 3 Press – to select "DEMO OFF."
- 4 Press SEL (Select) to finish the setting.

## BEFORE USE

### \*For safety....

- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.

### \*Temperature inside the car....

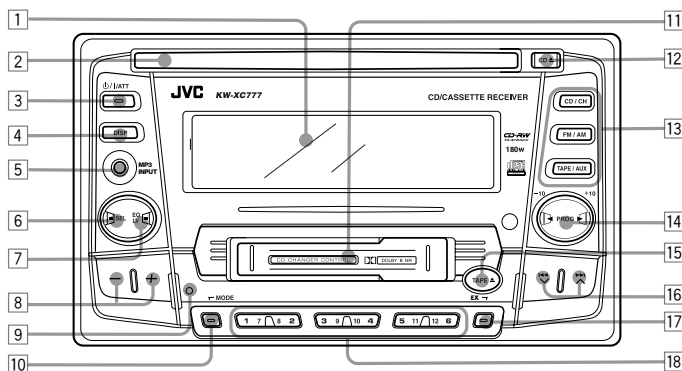
If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.



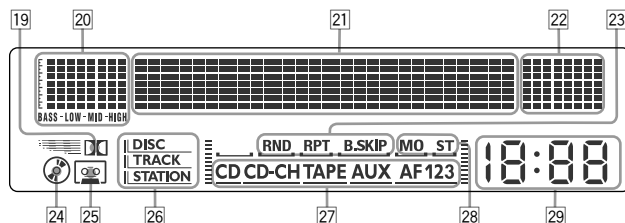
# LOCATION OF THE BUTTONS

ENGLISH

## Control panel



## Display window



### Control panel

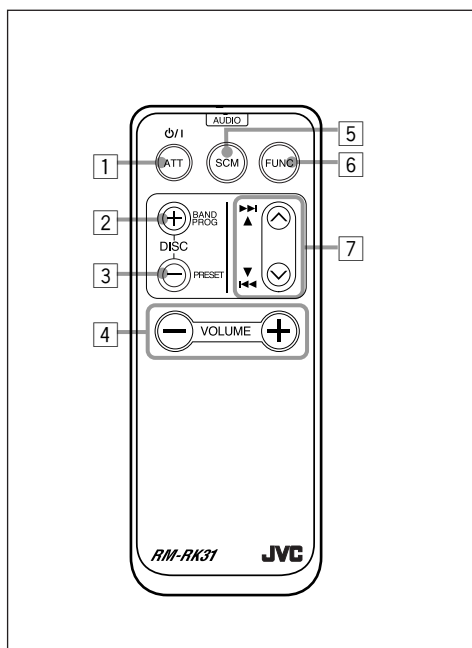
- 1 Display window
- 2 CD loading slot
- 3  $\Phi$ /I / ATT (standby/on / attenuator) button
- 4 DISP (display) button
- 5 MP3 INPUT jack
- 6 SEL (select) button
- 7 EQ LV (Equalizer/Level) button
- 8 + / - buttons
- 9 Reset button
- 10 MODE button
- 11 Cassette compartment
- 12 CD  $\Delta$  (eject) button
- 13 Source buttons
  - CD/CH button
  - FM/AM button
  - TAPE/AUX button
- 14  $\blacktriangleleft$  PROG  $\blacktriangleright$  button
  - +10 / -10 button
- 15 TAPE  $\Delta$  (eject) button
- 16  $\blacktriangleleft\blacktriangleleft$  /  $\blacktriangleright\blacktriangleright$  buttons
- 17 EX (extra) button
- 18 Number buttons

### Display window

- 19 Dolby NR indicator
- 20 EQ level indicator/S. BASS (Super Bass) level/level meter
- 21 Main display
- 22 Level meter
- 23 Play mode indicators
  - RND (random), RPT (repeat), B.SKIP (blank skip)
- 24 CD indicator
- 25 TAPE indicator
- 26 Text name indicators
  - DISC, TRACK, STATION
- 27 Source indicators
  - CD, CD-CH (CD-changer), TAPE, AUX, F1, F2, F3, A
- 28 Tuner reception indicators
  - MO (monaural), ST (stereo)
- 29 Clock display



## Remote controller



- 5 Selects the sound mode.  
Each time you press button, the EQ (equalizer) mode changes.
- 6 Selects the source.  
Each time you press FUNC (function), the source changes.
- 7
  - Searches stations while listening to the radio.
  - Fast-forwards or reverses the track if pressed and held while listening to a CD.
  - Skips to the beginning of the next tracks or goes back to the beginning of the current (or previous) tracks if pressed briefly while listening to a CD.
  - Fast-forwards or rewinds a tape and find a beginning of a tune (MMS) while listening to a tape.
  - Does not function as ▲/▼ buttons.

1 Functions the same as the ⏻ / ATT button on the main unit.

- 2
- Changes the band while listening to the radio.
  - Changes the tape direction while listening to a tape.
  - Selects disc numbers in the increasing order, and starts playing while listening to the CD changer.

- 3
- Selects preset numbers in the increasing order while listening to the radio.
  - Selects disc numbers in the decreasing order, and starts playing while listening to the CD changer.

4 Functions the same as the +/- buttons on the main unit.

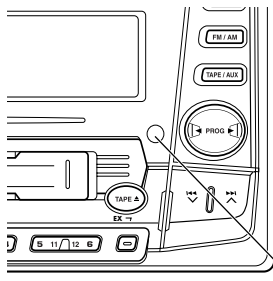
**Note:**

*This button does not function for the preferred setting mode (PSM) adjustment.*

# Preparing the remote controller

Before using the remote controller:

- Aim the remote controller directly at the remote sensor on the main unit. Make sure there is no obstacle in between.
- Do not expose the remote sensor to strong light (direct sunlight or artificial lighting).



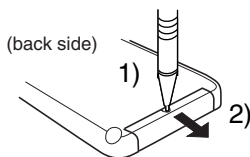
Remote sensor

## Installing the battery

When the controllable range or effectiveness of the remote controller decreases, replace the battery.

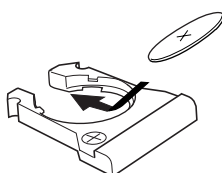
### 1. Remove the battery holder.

- 1) Push out the battery holder in the direction indicated by the arrow using a ball-point pen or a similar tool.
- 2) Remove the battery holder.



### 2. Place the battery.

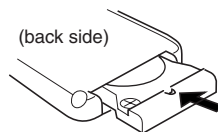
Slide the battery into the holder with the + side facing upwards so that the battery is fixed in the holder.



Lithium coin battery  
(product number:  
CR2025)

### 3. Return the battery holder.

Insert again the battery holder pushing it until you hear a clicking sound.

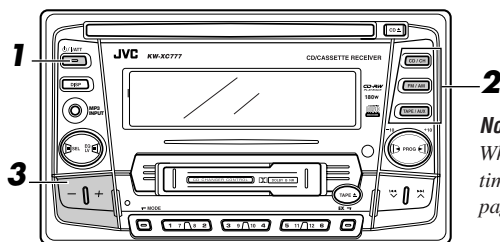


### WARNING:

- Store the battery in a place where children cannot reach.  
*If a child accidentally swallows the battery, consult a doctor immediately.*
- Do not recharge, short, disassemble or heat the battery or dispose it in a fire.  
*Doing any of these things may cause the battery to give off heat, crack or start a fire.*
- Do not leave the battery with other metallic materials.  
*Doing this may cause the battery to give off heat, crack or start a fire.*
- When throwing away or saving the battery, wrap it in tape and insulate; otherwise, the battery may start to give off heat, crack or start a fire.
- Do not poke the battery with tweezers or similar tools.  
*Doing this may cause the battery to give off heat, crack or start a fire.*

### CAUTION:

**DO NOT** leave the remote controller in a place (such as dashboards) exposed to direct sunlight for a long time.



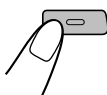
**Note:**

When you use this unit for the first time, set the built-in clock correctly, see page 22.

## 1 Turn on the power.

⏻/I/ATT

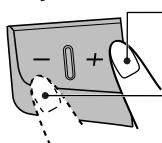
"HELLO!" appears on the display.



**Note on One-Touch Operation:**

When you select a source in step 2 below, the power automatically comes on. You do not have to press this button to turn on the power.

## 3 Adjust the volume.

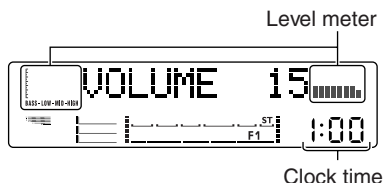


To turn up the volume.

To turn down the volume.

## 4 Adjust the sound as you want (see pages 18 – 20).

- If you need to change the level meter pattern, see page 21.



## 2 Select the source.



- Each time you press CD/CH, the source changes to CD\* and CD-changer (or external component)\*\* alternately.



- Each time you press FM/AM, the band changes to FM (FM1, FM2, FM3) and AM.



- Each time you press TAPE/AUX, the source changes to TAPE\*\*\* and external component (AUX INPUT) alternately.

## To drop the volume in a moment

Press ⏻/I/ATT briefly while listening to any source. "ATT" starts flashing on the display, and the volume level will drop in a moment.

To resume the previous volume level, press the button briefly again.

## To turn off the power

Press ⏻/I/ATT for more than 1 second. "SEE YOU" appears, then the unit turns off.

- If you turn off the ignition key without turning off this unit, the unit will automatically turn on when you turn on the ignition key next time. If the last selected source is ready for playback (ex. a CD or a tape is in the unit), playback starts automatically.

\* If a CD is not in the loading slot, you cannot select CD as the source to play. ("NO DISC" will appear on the display.)

\*\* Without connecting the CD changer or the external component, you cannot select it as the source to play.

\*\*\* If a cassette is not in the cassette compartment, you cannot select TAPE as the source to play. ("NO TAPE" will appear on the display.)

To operate the tuner, see pages 8 – 11.

To operate the CD player, see pages 12 – 14.

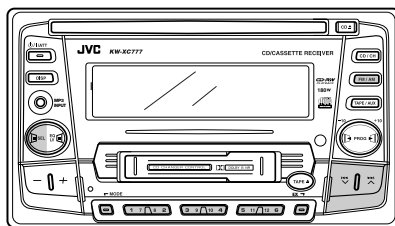
To operate the tape deck, see pages 15 – 17.

To operate the external components, see page 27.

To operate the CD changer, see pages 28 – 30.



# RADIO OPERATIONS

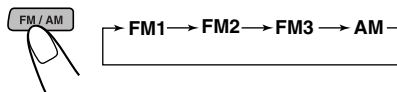


## Listening to the radio

You can use either automatic searching or manual searching to tune in to a particular station.

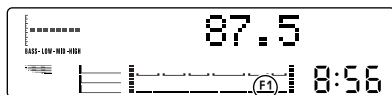
### Searching a station automatically: Auto search

- 1 Select the band (FM1, FM2, FM3, or AM).



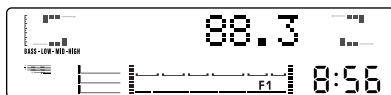
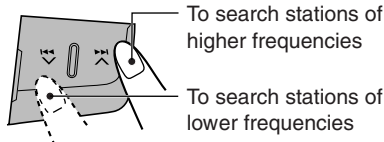
#### Note:

This receiver has three FM bands (FM1, FM2, and FM3). You can use any one of them to listen to an FM broadcast.



Selected band appears.

- 2 Start searching a station.



When a station is received, searching stops.

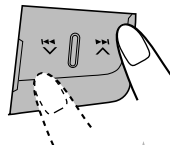
**To stop searching before a station is received,** press the same button you have pressed for searching.

### Searching a station manually: Manual search

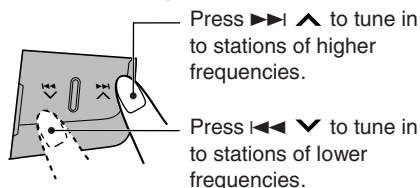
- 1 Select the band (FM1, FM2, FM3, or AM).



- 2 Press and hold **▶▶ ▲** or **◀◀ ▼** until "M (manual)" starts flashing on the display.



- 3 Tune in to a station you want while "M" is flashing.



- If you release your finger from the button, the manual mode will automatically turn off after 5 seconds.
- If you hold down the button, the frequency keeps changing (in 200 kHz intervals for FM and 10 kHz for AM) until you release the button.



## Storing stations in memory

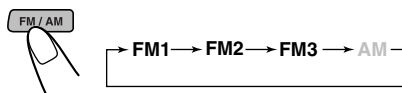
You can use one of the following methods to store broadcasting stations in memory.

- Automatic preset: SSM (Strong-station Sequential Memory)
- Manual preset
- Storing your favorite station in to the EX button

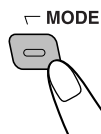
### Automatic preset: SSM

You can preset 6 local stations in each FM band (FM1, FM2, and FM3).

#### 1 Select the band (FM1, FM2, or FM3).



#### 2 Press MODE repeatedly until “SSM” appears.



#### 3 Press SEL.



“--SSM--” appears, then disappears when automatic preset is over.

Local stations with the strongest signals are searched and stored automatically in the band you have selected (FM1, FM2, and FM3). These stations are preset in the number buttons — No. 1 (lowest frequency) to No. 6 (highest frequency).

When automatic preset is over, the station stored in number button 1 will be automatically tuned in.

## Manual preset

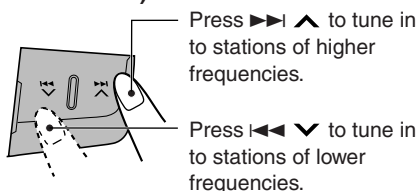
You can preset up to 6 stations in each band (FM1, FM2, FM3, and AM) manually.

EXAMPLE: Storing an FM station of 88.3 MHz into the preset channel number 1 of the FM1 band

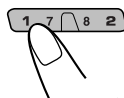
#### 1 Select the FM1 band.



#### 2 Tune in to a station (in this example, of 88.3 MHz).



#### 3 Press and hold the number button (in this example, 1) for more than 2 seconds.



“P1” flashes for a few seconds.

#### 4 Repeat the above procedure to store other stations into other preset numbers.



## Storing your favorite station into the EX (extra) button

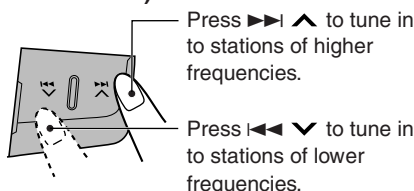
You can preset an FM or AM station (such as your favorite station or traffic announcement station); and recall it by one touch operation even if the unit is turned off.

EXAMPLE: Storing an FM station of 88.3 MHz into the EX button

### 1 Select the FM1 band.



### 2 Tune in to a station (in this example, of 88.3 MHz.)



### 3 Press and hold the EX button until "EX" flashes.



"EX" flashes on the display.

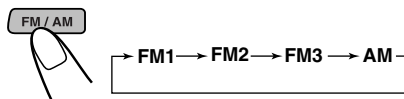
#### Notes:

- A previously preset station is erased when a new station is stored.
- Preset stations are erased when the power supply to the memory circuit is interrupted (for example, during battery replacement). If this occurs, preset the stations again.

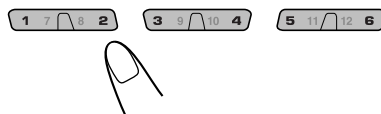
## Tuning in to a preset station

You can easily tune in to a preset station. Remember that you must store stations first. If you have not stored them yet, see page 9.

### 1 Select the band (FM1, FM2, FM3, or AM) you want.



### 2 Select the number (1 – 6) for the preset station you want.



#### To tune in the favorite station (EX)

EX



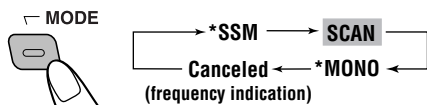
Press EX so that the unit automatically turns on (if it has been off).  
Your favorite station is tuned in.

- If you press the button again, the previous source will be played back again.

# Other convenient tuner functions

## Scanning broadcast stations

### 1 Select "SCAN".



\* When receiving an FM stereo broadcast.

### 2 Start scanning.



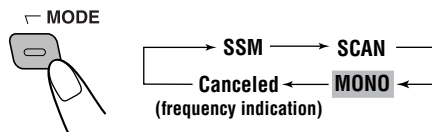
Each time a broadcast is tuned in, scanning stops for about 5 seconds (tuned frequency number flashes on the display), and you can check what program is now being broadcasted.

If you want to listen to that program, press MODE button again to stop scanning.

## Selecting FM reception mode

When an FM stereo broadcast is hard to receive, follow the procedure below:

### 1 Select "MONO".



### 2 Select FM reception mode.

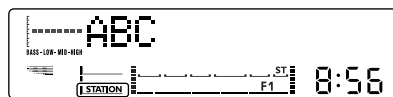


FM reception mode turns on ("MONO ON") and off ("MONO OFF") alternately.

When the monaural mode is turned on, the sound you hear becomes monaural but reception will be improved.

## Showing a station name

If you have assigned a name to a station frequency, the display shows its assigned name after the station frequency is displayed. When the station name is displayed, the STATION indicator lights up on the display (see page 25).

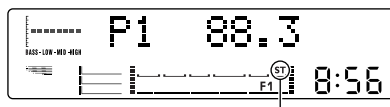


Lights up.

To confirm the station frequency while the assigned name is shown, press DISP (display). Each time you press the button, the assigned name and the station frequency alternate on the display.

### Note:

If no name is assigned, "NO NAME" will appear when you press DISP.

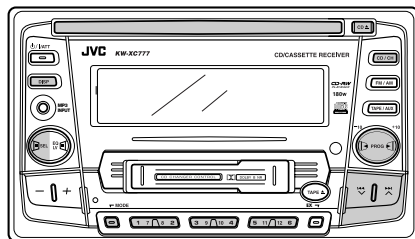


Lights up when receiving an FM broadcast in stereo.



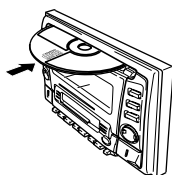


# CD OPERATIONS



## Playing a CD

### 1 Insert a disc into the loading slot.

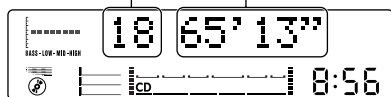


The unit turns on, draws a CD and starts playback automatically.



CD indicator lights up.

Total track number of the inserted disc      Total playing time of the inserted disc



Current track      Elapsed playing time



### Notes:

- When a CD is inserted upside down, the CD automatically ejects.
- When you play a CD Text, the disc title and performer appear on the display. Then the current track title appears on the display, followed by the track number and elapsed playing time. See also "Playing a CD Text" (page 13) and "Selecting the scroll mode – SCROLL" (page 24).  
If a CD Text includes much text information, some may not appear on the display.

## To stop play and eject the CD

Press CD ▲.

CD play stops and the CD automatically ejects from the loading slot ("EJECT" appears on the display). The source changes to the last selected source.

If you change the source, the CD play also stops (without ejecting the CD this time).

### Notes:

- If the ejected disc is not removed for about 15 seconds, the disc is automatically inserted again into the loading slot to protect it from dust. (CD play will not start this time.)
- You can eject the CD even when the unit is turned off.

### Note on One-Touch Operation:

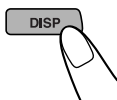
When a CD is already in the loading slot, pressing CD/CH turns on the unit and starts playback automatically.



## Playing a CD Text

In a CD Text, some information about the disc (its disc title, performer and track title) is recorded. You can show these disc information on the display.

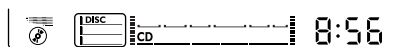
### 1 Select text display mode while playing a CD Text.



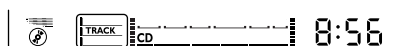
Each time you press the button, the display changes as follows:



When disc information appears on the display, the corresponding name indicator lights up.



When a disc title/performer is displayed.



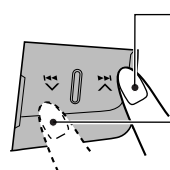
When a track title is displayed.

#### Notes:

- You can use the scroll mode to show the disc information on the display.  
See also "Selecting the scroll mode – SCROLL" on page 24.
- When you press **DISP** (display) while playing a conventional CD, "NO NAME" appears for the disc title/performer and the track title.

## Locating a track or a particular portion on a CD

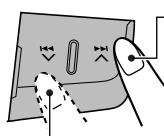
### To fast-forward or reverse the track



Press and hold **F.F.** while playing a CD, to fast-forward the track.

Press and hold **R.W.** while playing a CD, to reverse the track.

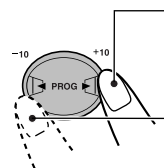
### To go to the next tracks or the previous tracks



Press **F** briefly while playing a CD, to go ahead to the beginning of the next track. Each time you press the button consecutively, the beginning of the next tracks is located and played back.

Press **B** briefly while playing a CD, to go back to the beginning of the current track. Each time you press the button consecutively, the beginning of the previous tracks is located and played back.

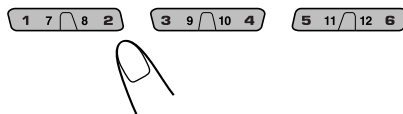
### To skip 10 tracks



Press **+10** while playing a CD, to skip 10 tracks at a time.

Press **-10** while playing a CD, to skip back 10 tracks at a time.

### To go to a particular track directly



Press the number button corresponding to the track number to start its playback.

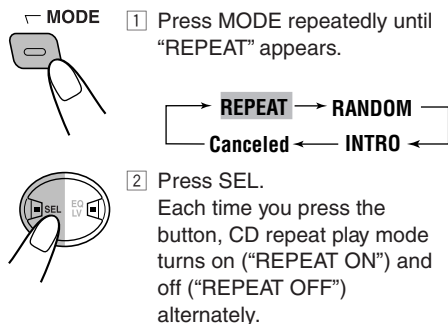
- To select a track number from 1 – 6:  
Press 1 (7) – 6 (12) briefly.
- To select a track number from 7 – 12:  
Press and hold 1 (7) – 6 (12) for more than 1 second.



## Selecting CD playback modes

### To play back tracks repeatedly (Repeat Play)

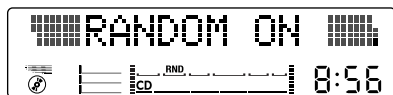
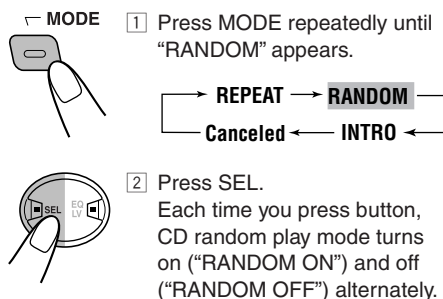
You can play back the current track repeatedly.



When the repeat mode is turned on, the RPT indicator lights up on the display.

### To play back tracks at random (Random Play)

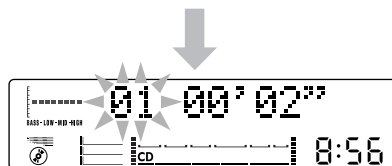
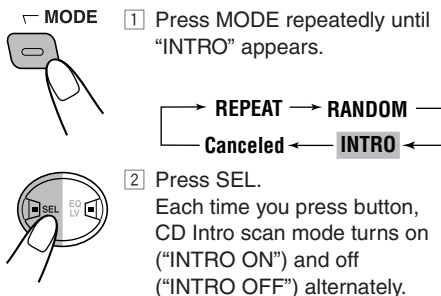
You can play back all tracks on the CD at random.



When the random mode is turned on, the RND indicator lights up on the display and a track randomly selected starts playing.

### To play back only intro (Intro scan)

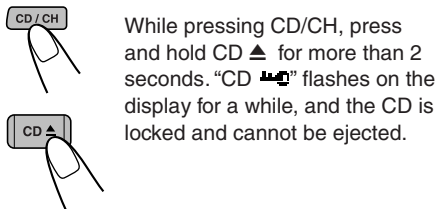
You can play back the first 15 seconds of each track sequentially.



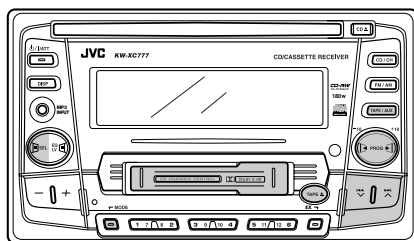
When the Intro scan mode is turned on, the current track number flashes.

## Prohibiting CD ejection

You can prohibit the CD ejection and can "lock" a CD in the loading slot.



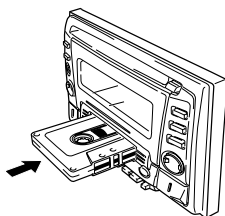
**To cancel the prohibition and "unlock" the CD,** press and hold CD for more than 2 seconds again, while pressing CD/CH. "EJECT OK" flashes on the display for a while, and the CD is "unlocked."



## Listening to a tape

You can play back type 1 (normal) tapes.

- 1 Insert a cassette into the cassette compartment.**



The unit turns on and tape play starts automatically.  
When one side of the tape reaches its end during play, the other side of the tape automatically starts playing. (Auto Reverse)



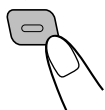
Tape indicator flashes.

### Note on One-Touch Operation:

When a cassette is already in the cassette compartment, pressing TAPE/AUX turns on the unit and starts tape play automatically.

- 2 Turn on or off the Dolby B NR\* as needed.**

MODE **1** Press MODE repeatedly until "DOLBY B" appears.



- 2 Press SEL.**  
Each time you press the button, the Dolby B NR turns on ("DOLBY ON") and off ("DOLBY OFF").



This indicator lights up when the Dolby B NR is turned on.

- 3 Select the tape direction.**



Each time you press the button, the tape direction changes alternately.



\* Manufactured under license from Dolby Laboratories.  
"Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

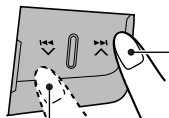
## To stop play and eject the cassette

Press TAPE ▲.

Tape play stops and the cassette automatically ejects from the cassette compartment. If you change the source, the tape play also stops (without ejecting the cassette this time).

- You can also eject the cassette by pressing TAPE ▲ with the unit turned off.

## To fast-forward and rewind a tape



Press ►►▲ for more than 1 second to fast-forward the tape. When the tape reaches its end, the tape is reversed and playback starts from the beginning of the other side.

Press ◀◀▼ for more than 1 second to rewind the tape. When the tape reaches its end, playback of the same side starts.

## To stop fast-forward and rewind at any position on the tape, press ◀ PROG ►.

Tape play starts from that position on the tape.

### Note:

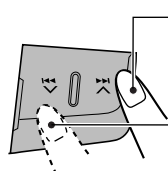
When the tape reaches its end while fast-forwarding, the tape direction will be changed automatically.

## Finding the beginning of a tune

Multi Music Scan allows you to automatically start playback from the beginning of a specified tune. You can specify up to 9 tunes ahead or before the current tune.

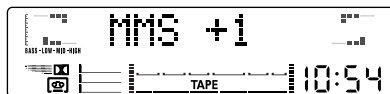
### During playback

## 1 Specify where (how many tunes ahead of or before the current tune) the tune you want is located.



To locate a tune ahead of the current tune on the tape.

To locate a tune before the current tune on the tape.



Each time you press the button, the number changes up to  $\pm 9$ .

When the beginning of the specified tune is located, playback starts automatically.

### Notes:

- While locating a specified tune:
  - If the tape is rewound to its beginning, playback starts from the beginning of that side.
  - If the tape is fast-forwarded to the end, it is reversed and played from the beginning of the other side.
- In the following cases, Multi Music Scan may not operate correctly.
  - Tapes with tunes having long pianissimo passages (very quiet parts) or non-recorded portions during tunes.
  - Tapes with short non-recorded sections.
  - Tapes with high level noise or humming between tunes.
  - The Dolby NR setting does not match. For example, if the tape is recorded with the Dolby C NR.

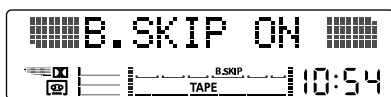
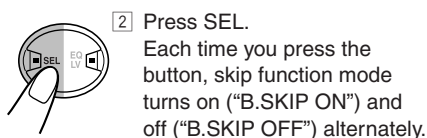
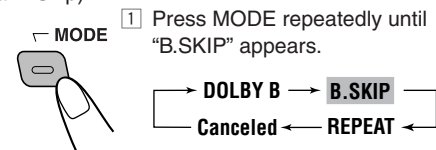




## Other convenient tape operations

### Skipping blank portions on the tape

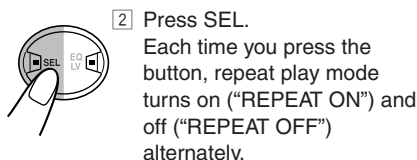
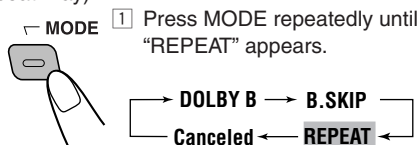
You can skip blank portions between the tunes (Blank Skip).



When this function is on, the B.SKIP indicator lights up on the display and the unit skips blank portions of 15 seconds or more, fast-forwards to the next tune, then starts playing it.

### Playing the current tune repeatedly

You can play the current tune repeatedly (Repeat Play).



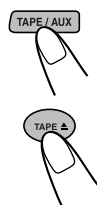
#### Notes:

In the following cases, Blank Skip and Repeat Play may not operate correctly.

- Tapes with tunes having long pianissimo passages (very quiet parts) or non-recorded portions during tunes.
- Tapes with short non-recorded sections.
- Tapes with high level noise or humming between tunes.
- The Dolby NR setting does not match. For example, if the tape is recorded with the Dolby C NR.

### Prohibiting tape ejection

You can prohibit the tape ejection and can “lock” a tape in the cassette compartment.



While pressing TAPE/AUX, press and hold TAPE ▲ for more than 2 seconds. “TAPE ▲” flashes on the display for a while, and the tape is locked and cannot be ejected.

**To cancel the prohibition and “unlock” the tape,** press and hold TAPE ▲ for more than 2 seconds again, while pressing TAPE/AUX.

“EJECT OK” flashes on the display for a while, and the tape is “unlocked.”



# SOUND ADJUSTMENTS

## Adjusting the sound

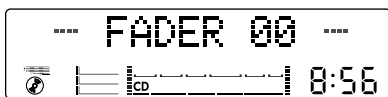
You can adjust the sound characteristics to your preference.

### 1 Select the item you want to adjust.



Each time you press the button, the adjustable items change as follows:

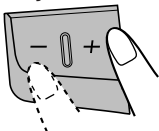
FADER → BAL → VOLUME



Indication	To do:	Range
FADER*	Adjust the front and rear speaker	R06 (rear only)   F06 (front only)
BAL (Balance)	Adjust the left and right speakers	L06 (left only)   R06 (right only)
VOLUME	Adjust the volume	00 (min.)   50 (max.)

\* If you are using a two-speaker system, set the fader level to "00."

### 2 Adjust the level.



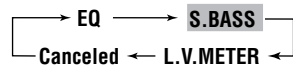
#### Note:

Normally + / - buttons work for volume adjustment. So you do not have to select "VOLUME" to adjust the volume level.

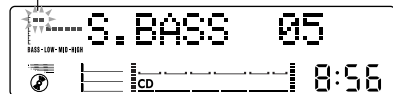
## Reinforcing the bass sound

You can also adjust the level of Super Bass.

### 1 Select "S.BASS."

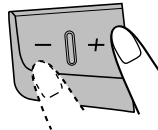


While adjusting Super Bass, the BASS indicator flashes.



As the number increases, Super Bass level also increases.

### 2 Adjust the level within the range of "00" to "08."

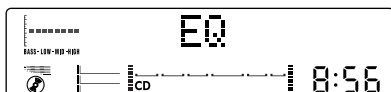
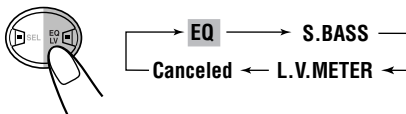




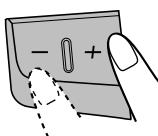
## Selecting preset sound modes

You can select a preset sound adjustment suitable to the music genre.

### 1 Select "EQ."



### 2 Select the sound mode.



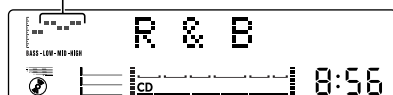
The sound mode changes as follows:

FLAT ↔ Hard Rock ↔ R & B\* ↔  
 POP ↔ JAZZ ↔ DanceMusic ↔  
 Country ↔ Raggaee ↔ Classic ↔  
 USER\*\* ↔ (back to the beginning)

\* Rhythm and Blues

\*\* If you want to adjust and store your original sound mode (USER), see "Storing your own sound adjustments" on page 20.

EQ level changes as you select the sound mode.



Ex.: When you select "R & B"

## To store a sound mode separately for each playback source (EQ Link)

Once you select a sound mode, it is stored in memory. It will be recalled every time you select the same source. A sound mode can be stored for each of the following sources — FM1, FM2, FM3, AM, CD, tape, external components and the EX (extra) button (see page 10).

- See also "Changing general settings (PSM)" on page 22.

- 1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
- 2 Press ►►▲ or ◀◀▼ to select "EQ LINK (Equalization Link)."
- 3 Press + to select "LINK ON."
- 4 Press SEL (select) to finish the setting.

**To cancel EQ Link**, repeat the same procedure and select "LINK OFF" by pressing – in step 3.

#### • When "EQ LINK" is set to "LINK ON"

The selected sound mode and Super Bass level can be stored in memory for the current source.

Each time you select the same source, the same sound mode is also recalled, and shown after the source name.

#### • When "EQ LINK" is set to "LINK OFF"

The selected sound mode effect applies to all the sources selected.

**To cancel the sound mode**, select "FLAT" in step 2.

#### Note:

You can adjust the sound mode to your preference, and store it in memory.

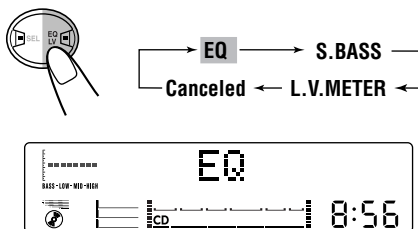


# Storing your own sound adjustments

You can adjust the sound modes to your preference and store your own adjustments in memory (USER sound mode).

- There is a time limit in doing the following procedure. If the setting is cancelled before you finish, start from step 1 again.

## 1 Select "EQ."



## 2 Select sound elements to adjust.



Each time you press the button, the sound elements to adjust change as follows:

LOW FREQ.\* → LOW LEVEL →  
MID FREQ.\* → MID LEVEL →  
HIGH FREQ.\* → HIGH LEVEL →  
(back to the beginning)

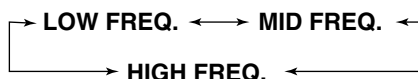
### FREQ. (LOW, MID, HIGH):

Select the center frequency to adjust.

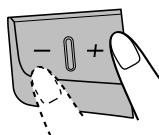
### LEVEL (LOW, MID, HIGH):

Adjust the enhancement level.

\* By pressing ►►| ▲ or |◄◄ ▼, you can directly move as follows:



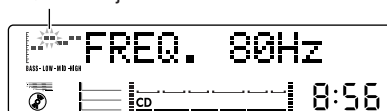
## 3 Adjust the selected sound element.



- Refer to the table below for adjusting the selected sound element.

Indication	Range
LOW FREQ.	50 Hz , 80 Hz , 120 Hz
LOW LEVEL	-06 (min.) — +06 (max.)
MID FREQ.	700 Hz , 1 kHz , 2 kHz
MID LEVEL	-06 (min.) — +06 (max.)
HIGH FREQ.	8 kHz , 12 kHz
HIGH LEVEL	-06 (min.) — +06 (max.)

EQ level adjusted flashes.



EX.: When you adjust "LOW FREQ."

## 4 Repeat step 2 and 3 to adjust the other sound elements.

## 5 Store the adjustments.



Your setting is stored in USER sound mode.

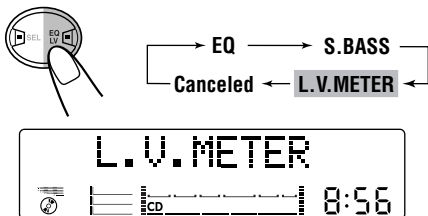
# LEVEL METER SETTING



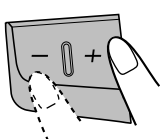
## Selecting level meter patterns

You can select any one from 7 different level meter patterns or a demonstration of all the patterns.

### 1 Select "L.V. METER."



### 2 Press +/- to select the level meter pattern.



Each time you press the button, the level meter changes as follows:

ALL DEMO ↔ Standard ↔ SideWinder ↔  
Full Size ↔ Spin ↔ Double ↔ HIGH WAY ↔  
Dolphin ↔ OFF ↔ (back to the beginning)

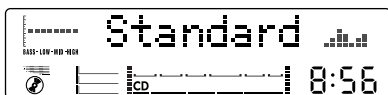
## Level meter patterns

### 1. ALL DEMO (default setting)

Demonstrates all the level meter patterns, each for 20 seconds.

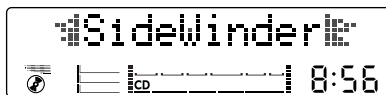
### 2. Standard

Standard level meter.



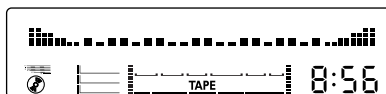
### 3. SideWinder

Level meter is displayed horizontally.



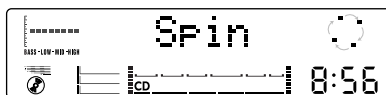
### 4. Full Size

Level meter is displayed on the main display.



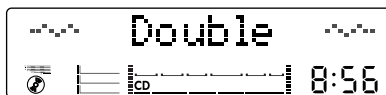
### 5. Spin

Spin in the right meter.



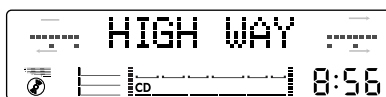
### 6. Double

Waves is displayed on both meters.



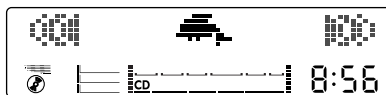
### 7. HIGH WAY

As if you were driving along a highway.



### 8. Dolphin

A dolphin is swimming in the main display.



### 9. OFF

No level meter is displayed.



# OTHER MAIN FUNCTIONS

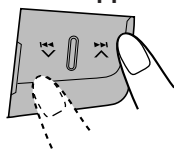
## Setting the clock

After installation, set the built-in clock correctly.

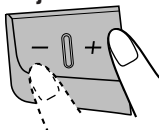
- 1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (See page 23.)



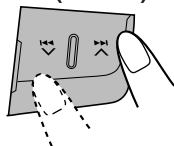
- 2 If "CLOCK HOUR" does not appear, press ►►► ▲ or ◀◀◀ ▼ repeatedly until it appears.



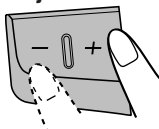
- 3 Adjust the hour.



- 4 Press ►►► ▲ or ◀◀◀ ▼ until "CLOCK MIN (minute)" appears on the display.



- 5 Adjust the minute.



- 6 Finish the setting.



To check the current clock time while the unit is turned off, press DISP (display).

The power turns on, the clock time is shown for 5 seconds, then the power turns off.

## Changing general settings (PSM)

You can change the following settings for this unit by using the PSM (Preferred Setting Mode) control.

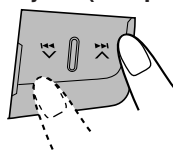
### Basic Procedure

- There is a time limit in doing the following procedure. If the setting is canceled before you finish, start from step 1 again.

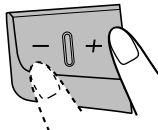
- 1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (See page 23.)



- 2 Select a PSM item you want to adjust. (See page 23.)



- 3 Adjust the PSM item selected.


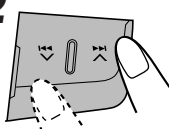
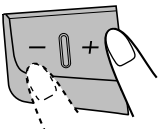


- 4 Repeat steps 2 and 3 to adjust the other PSM items if necessary.

- 5 Finish the setting.



## Preferred Setting Mode (PSM) items

<div><div>1</div><div></div><div>Hold.</div></div> <div><div>2</div><div></div><div>Select.</div></div> <div><div>3</div><div></div><div>Set.</div><div><div>-</div><div>+</div></div></div> <div>Factory-preset Settings</div> <div>See page</div>					
CLOCK HOUR	Hour adjustment	Back	Advance	1:00	22
CLOCK MIN	Minute adjustment	Back	Advance		
CLOCK DISP	Clock display	CLOCK OFF	CLOCK ON	CLOCK OFF	24
EQ LINK	Sound control memory linkage	LINK ON	LINK OFF	LINK OFF	19
DIMMER	Dimmer mode	DIM OFF ↔ DIM ON ↗ DIM AUTO ↖		DIM AUTO	24
CONTRAST	Display contrast	CONTRAST 1 – CONTRAST 10		CONTRAST 5	24
SCROLL	Scroll mode	SCRL ONCE ↔ SCRL AUTO ↗ SCRL OFF ↖		SCRL ONCE	24
EXT INPUT	External input selection	CD CHANGER	LINE INPUT	CD CHANGER	24
AUX ADJ	Auxiliary input level adjustment	A.ADJ 00 – A.ADJ 05		A.ADJ 00	24
DEMO	Demonstration mode	DEMO OFF	DEMO ON	DEMO ON	25

## Setting the clock display – CLOCK DISP

You can set the clock to be shown on the display when the unit is turned off.

When shipped from the factory, the clock is set not to be shown on the display.

- **CLOCK OFF:** Clock display is turned off.
- **CLOCK ON:** Clock display is turned on.

### **Note:**

*If the power supply is not interrupted by turning off the ignition key of your car, it is recommended to select “CLOCK OFF” to save the car’s battery.*

## Selecting the dimmer mode – DIMMER

When you turn on the car headlights, the display automatically dims (Auto Dimmer).

When shipped from the factory, Auto Dimmer mode is activated.

- **DIM OFF:** Cancels Auto Dimmer.
- **DIM ON:** Always dims the display.
- **DIM AUTO:** Activates Auto Dimmer.

### **Note:**

*Auto Dimmer equipped for this unit may not work correctly on some vehicles, particularly on those having a control dial for dimming.*

*In this case, set the dimmer mode to “DIM ON” or “DIM OFF.”*

## Adjusting the display contrast level – CONTRAST

You can adjust the display contrast level among 1 (dark) to 10 (bright). When shipped from the factory, the display contrast level is set at level 5.

## Selecting the scroll mode – SCROLL

You can select the scroll mode for the disc information.

When shipped from the factory, Auto Scroll mode is set to “SCRL ONCE.”

- **SCRL ONCE:** Scrolls only once.
- **SCRL AUTO:** Repeats the scroll (5-second intervals in between).
- **SCRL OFF:** Cancels Auto Scroll.

## Selecting the external component to use – EXT INPUT

You can connect the external component to the CD changer jack on the rear using the Line Input Adaptor KS-U57 (not supplied).

To use the external component as the playback source through this unit, you need to select which component – CD changer or external component – to use.

When shipped from the factory, CD changer is selected as the external component.

- **CD CHANGER:** To use the CD changer.
- **LINE INPUT:** To use the external component other than CD changer.

### **Notes:**

- *If the current source is CD changer or external component, this item does not appear.*
- *For connecting the Line Input Adaptor KS-U57 and the external component, refer to the Installation/Connection Manual (separate volume).*

## Adjusting the auxiliary input level – AUX ADJ

Adjust the auxiliary input level properly when an external component is connected to the MP3 INPUT jack.

When shipped from the factory, the auxiliary input level is set at level 00.

If the input level of the connected component is not high enough, increase the input level properly. Without adjusting the line input level, you may be surprised at a loud sound when you change the source from the external component to another source.



Turning the demo mode on or off  
– DEMO MODE

You can turn the demo mode on or off. When shipped from the factory, “DEMO ON” is selected.

- DEMO OFF: Turns the demo mode off.
- DEMO ON: Turns the demo mode on. The demonstration will start automatically if no sound comes in for 3 minutes.

**Note:**  
*If the unit has been reset (and the power is on), demonstration will start if no sound comes in for about 15 seconds.*

Assigning names to the sources

You can assign names to station frequencies and the external component connected to the MP3 INPUT jack.

After assigning a name, it will appear on the display when you select the source.

Sources	Maximum number of the characters
Station frequencies*	Up to 10 characters (up to 32 station frequencies including both FM and AM)
External components (“AUX INPUT” only)	Up to 10 characters

\* You cannot assign name to a station frequency stored in the EX (extra) button.

1
Select a source you want to assign a name to.

TAPE / AUX

FM / AM

When you select a source, the power automatically comes on.

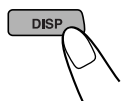
Each time you press the button, the source changes as described on page 7.

2
Press and hold SEL (select) for more than 2 seconds while pressing DISP (display).

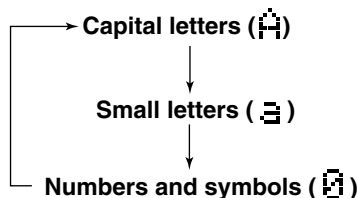
DISP

(at the same time)

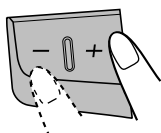
### 3 Select the character set you want while " " is flashing.



Each time you press the button, the character set changes as follows:

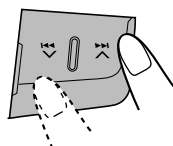


### 4 Select a character.



About the available characters, see the right column.

### 5 Move the cursor to the next (or previous) character position.



### 6 Repeat steps 3 to 5 until you finish inputting the name.

### 7 Finish the procedure while the last selected character is flashing.



### To erase the input characters

Press and hold DISP (display) for more than 1 seconds to erase all the characters at a time.

#### Note:

When you try to assign a name to the 33rd station frequency, "NAME FULL" appears on the display. (In this case, delete unwanted names before assignment.)

### Available characters

#### Capital letters

A	B	C	D	E
F	G	H	I	J
K	L	M	N	O
P	Q	R	S	T
U	V	W	X	Y
Z	space			

#### Small letters

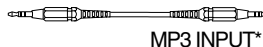
a	b	c	d	e
f	g	h	i	j
k	l	m	n	o
p	q	r	s	t
u	v	w	x	y
z	space			

#### Number and symbols

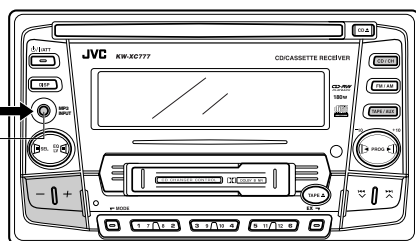
0	1	2	3	4
5	6	7	8	9
!	"	#	\$	%
&	'	(	)	*
+	,	-	.	/
:	;	<	=	>
?	@	_	`	space



**MP3 player, MD player, etc.**



**MP3 INPUT\***



\* This MP3 INPUT jack is not compatible with digital signals.

You can connect two external components to this unit.

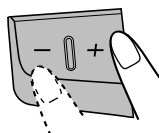
Connect one to the MP3 INPUT jack on the control panel, and the other to the CD changer jack on the rear.

## Preparations:

- For connecting the Line Input Adaptor KS-U57 and the external component, refer to the Installation/Connection Manual (separate volume).
- Before operating the external component connected to the CD changer jack, select the external input correctly. (See "Selecting the external component to use – EXT INPUT" on page 24.)

**2 Turn on the connected component and start playing the source.**

**3 Adjust the volume.**



**If the input level of the external component connected to the MP3 INPUT jack is not high enough, increase the input level properly.**

Without adjusting the input level, you may be surprised at a loud sound when you change the source from the external components to another. (See "Adjusting the auxiliary input level – AUX ADJ" on page 24.)

**1 Select the external component.**

**AUX INPUT:** Press TAPE/AUX repeatedly to select the component connected to the MP3 INPUT jack on the control panel.



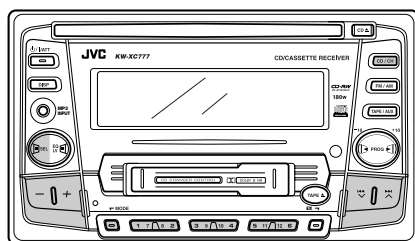
**LINE INPUT:** Press CD/CH repeatedly to select the component connected to the CD changer jack.



- If "LINE INPUT" does not appear on the display, see page 24 and select the external input ("Selecting the external component to use – EXT INPUT").



# CD CHANGER OPERATIONS



We recommend that you use one of the CH-X series with your unit.

If you have another CD automatic changer, consult your JVC car audio dealer for connections.

- For example, if your CD automatic changer is one of the KD-MK series, you need a cord (KS-U15K) for connecting it to this unit.

Before operating your CD automatic changer:

- Refer also to the Instructions supplied with your CD changer.
- If no discs are in the magazine of the CD changer or the discs are inserted upside down, "NO DISC" will appear on the display. If this happens, remove the magazine and set the discs correctly.
- If "RESET 1 – RESET 8" appears on the display, something is wrong with the connection between this unit and the CD changer. If this happens, check the connection, connect the connecting cord(s) firmly if necessary, then press the reset button of the CD changer.

## Playing CDs

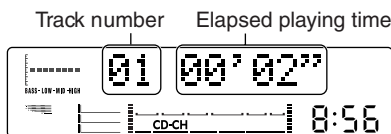
### Select the CD automatic changer (CD-CH).

CD / CH



Playback starts from the first track of the first disc.

All tracks of all discs are played back.

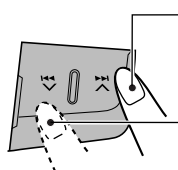


### Note on One-Touch Operation:

When you press CD/CH, the power automatically comes on. You do not have to press **⏻ / ATT** to turn on the power.



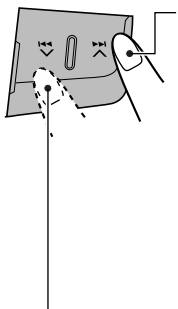
## To fast-forward or reverse the track



Press and hold **▶▶** **▲** while playing a CD, to fast-forward the track.

Press and hold **◀◀** **▼** while playing a CD, to reverse the track.

## To go to the next tracks or the previous tracks

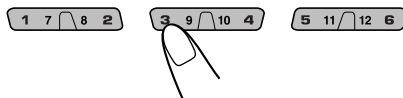


Press **▶▶** **▲** briefly while playing a CD, to go ahead to the beginning of the next track. Each time you press the button consecutively, the beginning of the next tracks is located and played back.

Press **◀◀** **▼** briefly while playing a CD, to go back to the beginning of the current track. Each time you press the button consecutively, the beginning of the previous tracks is located and played back.

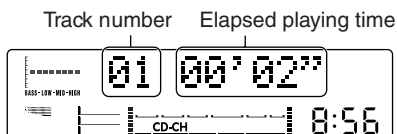
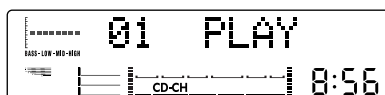
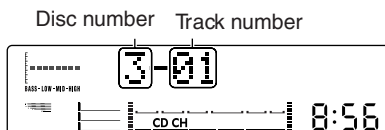
## To go to a particular disc directly

Press the number button corresponding to the disc number to start its playback (while CD changer is playing).



- To select a disc number from 1 – 6:  
Press 1 (7) – 6 (12) briefly.
- To select a disc number from 7 – 12:  
Press and hold 1 (7) – 6 (12) for more than 1 second.

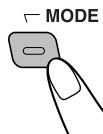
Ex.: When disc number 3 is selected.





# Selecting CD playback modes

## To play back tracks repeatedly (Repeat Play)



- 1 Press MODE repeatedly until "REPEAT" appears.

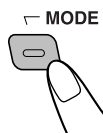


- 2 Press SEL. Each time you press the button, CD repeat play mode changes as follows:



Mode	RPT Indicator	Plays repeatedly
REPEAT1 ON	Lights	The current track (or specified track).
REPEAT2 ON	Flashes	All tracks of the current disc (or specified disc).
REPEAT OFF	Goes off	Canceled.

## To play back tracks at random (Random Play)



- 1 Press MODE repeatedly until "RANDOM" appears.

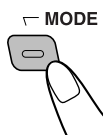


- 2 Press SEL. Each time you press the button, CD random play mode changes as follows:



Mode	RND Indicator	Plays at random
RANDOM1 ON	Lights	All tracks of the current disc, then the tracks of the next disc, and so on.
RANDOM2 ON	Flashes	All tracks of all discs inserted in the magazine.
RANDOM OFF	Goes off	Canceled.

## To play back only intro (Intro scan)



- 1 Press MODE repeatedly until "INTRO" appears.

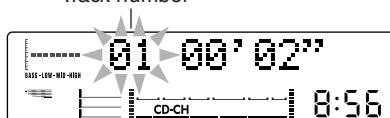


- 2 Press SEL. Each time you press the button, CD intro scan mode changes as follows:



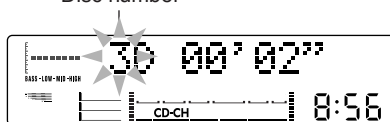
Mode	Indicator	Plays the beginnings (15 seconds)
INTRO1 ON	Track number flashes	Of all tracks on all inserted discs.
INTRO2 ON	Disc number flashes	Of the first track on each inserted disc.
INTRO OFF	None	Canceled.

Track number



EX.:When "INTRO1 ON" is selected.

Disc number

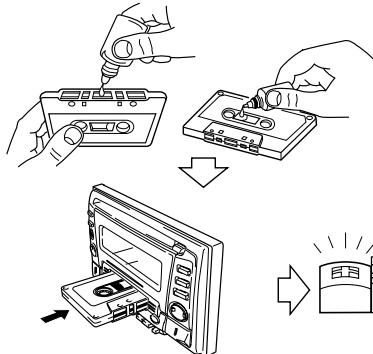


EX.:When "INTRO2 ON" is selected.

## Handling cassettes

The cassette deck built in this unit requires very little attention, but you will be able to extend the life of the cassette deck if you follow the instructions below.

### To clean the heads

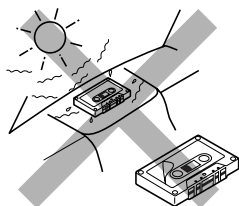


- Clean the heads after every 10 hours of use using a wet-type head cleaning tape (available at an audio store).

When the head becomes dirty, you may realize the following symptoms:

- Sound quality is reduced.
- Sound level decreases.
- Sound drops out.
- Do not play dirty or dusty tapes.
- Do not touch the highly-polished head with any metallic or magnetic tools.

### To keep the tape clean



- Always store the tapes in their storage cases after use.
- Do not store tapes in the following places:
  - Subject to direct sunlight
  - With high humidity
  - At extremely hot temperatures

### CAUTIONS:

- Do not play the tapes with peeling labels; otherwise, they can damage the unit.
- Tighten tapes to remove slack since loose tape may become entangled with the mechanism.
- Do not leave a cassette in the cassette compartment after use, as the tape may become slack.

The function below is also provided to ensure the longer life of the cassette deck.

### Ignition key-off release

When you turn off the ignition key with a cassette in the compartment, the unit automatically releases the tape from its head.



## Handling CDs

The CD player built in this unit has been designed to play back the CDs bearing the following marks.



You can also play back your original CD-Rs (Recordable) and CD-RWs (Rewritable) on this receiver.

**This unit is not compatible with MP3.**

### How to handle CDs

When removing a CD from its case, press down the center holder of the case and lift the CD out, holding it by the edges.

- Always hold the CD by the edges. Do not touch its recording surface.

Center holder



**When storing a CD into its case,** gently insert the CD around the center holder (with the printed surface facing up).

- Make sure to store CDs into the cases after use.

### To keep CDs clean

A dirty CD may not play correctly. If a CD does become dirty, wipe it with a soft cloth in a straight line from center to edge.

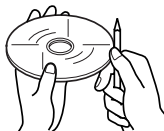


### To play new CDs

New CDs may have some rough spots around the inner and outer edges.

If such a CD is used, this unit may reject the CD.

To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.



## Moisture condensation

Moisture may condense on the lens inside the CD player in the following cases:

- After starting the heater in the car.
- If it becomes very humid inside the car.

Should this occur, the CD player may malfunction. In this case, eject the CD and leave the unit turned on for a few hours until the moisture evaporates.

### CAUTIONS:

- Do not insert 8 cm (3 3/16") CDs (single CDs) into the loading slot. (Such CDs cannot be ejected.)
- Do not insert any CD of unusual shape — like a heart or flower; otherwise, it will malfunction.
- Do not expose CDs to direct sunlight or any heat source or place them in a place subject to high temperature and humidity. Do not leave them in a car.
- Do not use any solvent (for example, conventional record cleaner, spray, thinner, benzene, etc.) to clean CDs.

## When playing a CD-R or CD-RW

You can play back your original CD-Rs or CD-RWs recorded in audio CD format.

- User-edited CD-Rs (Recordable) and CD-RWs (Rewritable) can be played back only if they are already "finalized."
- Before playing back CD-Rs or CD-RWs, read their instructions or cautions carefully.
- Some CD-Rs or CD-RWs may not be played back on this unit because of their disc characteristics, damage or stain on them, or if the player's lens is dirty.
- CD-Rs or CD-RWs are susceptible to high temperatures or high humidity; so do not leave them inside your car.
- CD-RWs may require a longer readout time. (This is caused by the fact that the reflectance of CD-RWs is lower than for regular CDs.)





What appears to be trouble is not always serious. Check the following points before calling a service center.

Symptoms	Causes	Remedies
• CD cannot be played back.	CD is inserted upside down.	Insert the CD correctly.
• CD sound is sometimes interrupted.	You are driving on rough roads.	Stop CD play while driving on rough roads.
	CD is scratched.	Change the CD.
	Connections are incorrect.	Check the cords and connections.
• “NO DISC” appears on the display.	No CD is in the loading slot (or in the magazine.)	Insert CD.
	CD is inserted incorrectly.	Insert it correctly.
• CD can neither be played back nor ejected.	The CD player may function incorrectly.	Press and hold both the <b>⏮/I/ATT</b> and <b>CD ▲</b> buttons at the same time for several seconds.
• “EJECT ERR” appears on the display.	The CD was interrupted ejection or insertion.	Press <b>CD ▲</b> , or press both the <b>⏮/I/ATT</b> and <b>CD ▲</b> buttons together to clear the message.
• A cassette tape cannot be inserted.	You have tried to insert a cassette in the wrong way.	Insert the cassette with the exposed tape facing right.
• Cassette tapes become hot.	This is not a malfunction.	_____
• Tape sound is at very low level and sound quality is degraded.	The tape head is dirty.	Clean it with a head cleaning tape.
• Sound is sometimes interrupted.	Connections are not good.	Check the cords and connections.
• Sound cannot be heard from the speakers.	The volume control is turned to the minimum level.	Adjust it to the optimum level.
	Connections are incorrect.	Check the cords and connections.

CONTINUED TO THE NEXT PAGE



Symptoms	Causes	Remedies
• SSM automatic preset does not work.	Signals are too weak.	Store stations manually.
• Static noise while listening to the radio.	The antenna is not connected firmly.	Connect the antenna firmly.
• “NO MAGAZINE” appears on the display.	No magazine is in the CD changer.	Insert the magazine.
• “RESET 8” appears on the display.	This unit is not connected to a CD changer correctly.	Connect this unit and the CD changer correctly and press the reset button of the CD changer.
• “RESET 1–RESET 7” appears on the display.	_____	Press the reset button of the CD changer.
• This unit does not work at all. • The CD changer does not work at all.	The built-in microcomputer may function incorrectly due to noise, etc.	Press the reset button on the front panel (see page 2.)
• CD-R/CD-RW cannot be played back. • Tracks cannot be skipped on CD-R/CD-RW.	CD-R/CD-RW is not finalized.	• Change a finalized CD-R/CD-RW. • Finalize the CD-R/CD-RW with the component which you used for recording.

**About mistracking:**

Mistracking may result from driving on extremely rough roads. This does not damage the unit and the CD, but will be annoying. We recommend that you stop CD play while driving on such rough roads.

# SPECIFICATIONS

## AUDIO AMPLIFIER SECTION

Maximum Power Output:

Front: 45 W per channel

Rear: 45 W per channel

Continuous Power Output (RMS):

Front: 17 W per channel into 4  $\Omega$ ,  
40 Hz to 20 000 Hz at no more  
than 0.8% total harmonic  
distortion.

Rear: 17 W per channel into 4  $\Omega$ ,  
40 Hz to 20 000 Hz at no more  
than 0.8% total harmonic  
distortion.

Load Impedance: 4  $\Omega$  (4 to 8  $\Omega$  allowance)

Equalizer Control Range:

LOW:  $\pm 12$  dB (50 Hz, 80 Hz, 120 Hz)

MID:  $\pm 12$  dB (700 Hz, 1 kHz, 2 kHz)

HIGH:  $\pm 12$  dB (8 kHz, 12 kHz)

Frequency Response: 40 Hz to 20 000 Hz

Signal-to-Noise Ratio: 70 dB

Line-In level/impedance:

MP3 INPUT : 3.5 mm dia. stereo mini jack  
(analog)

Line-Out Level/Impedance:

2.0 V/20 k $\Omega$  load (full scale)

Output Impedance: 1 k $\Omega$

## TUNER SECTION

Frequency Range:

FM: 87.5 MHz to 107.9 MHz

AM: 530 kHz to 1 710 kHz

### **[FM Tuner]**

Usable Sensitivity: 11.3 dBf (1.0  $\mu$ V/75  $\Omega$ )

50 dB Quieting Sensitivity:

16.3 dBf (1.8  $\mu$ V/75  $\Omega$ )

Alternate Channel Selectivity (400 kHz):

65 dB

Frequency Response: 40 Hz to 15 000 Hz

Stereo Separation: 35 dB

Capture Ratio: 1.5 dB

### **[AM Tuner]**

Sensitivity: 20  $\mu$ V

Selectivity: 35 dB

## CD PLAYER SECTION

Type: Compact disc player

Signal Detection System: Non-contact optical  
pickup (semiconductor laser)

Number of channels: 2 channels (stereo)

Frequency Response: 5 Hz to 20 000 Hz

Dynamic Range: 96 dB

Signal-to-Noise Ratio: 98 dB

Wow and Flutter: Less than measurable limit

## CASSETTE DECK SECTION

Wow and Flutter: 0.1 % (WRMS)

Fast-Wind Time: 100 sec. (C-60)

Frequency Response: 30 Hz to 16 000 Hz  
(Normal tape)

Signal-to-Noise Ratio: (Normal tape)

Dolby B NR ON: 65 dB

Dolby B NR OFF: 56 dB

Stereo Separation: 40 dB

## GENERAL

Power Requirement:

Operating Voltage: DC 14.4 V (11 V to 16 V  
allowance)

Grounding System: Negative ground

Allowable Working Temperature:

0°C to +40°C (32°F to 104°F)

Dimensions (W x H x D):

Installation Size:

178 mm x 100 mm x 150 mm

(7-1/16" x 3-15/16" x 5-15/16")

Front Panel Size:

170 mm x 96 mm x 20 mm

(6-3/4" x 3-13/16" x 13/16")

Mass: 2.3 kg (5.1 lbs) (excluding accessories)

*Design and specifications subject to change without  
notice.*

If a kit is necessary for your car, consult  
your telephone directory for the nearest  
car audio speciality shop.



**JVC**

**MOBILE  
ENTERTAINMENT**

**<http://www.jvcmobile.com>**

*Visit us on-line for*

*Technical Support & Customer Satisfaction Survey.*

**US RESIDENTS ONLY**

**Having TROUBLE with operation?  
Please reset your unit**

**Refer to page of How to reset your unit**

**Still having trouble??**

**USA ONLY**

**Call 1-800-252-5722**

**<http://www.jvc.com>**

**We can help you!**

**JVC**

VICTOR COMPANY OF JAPAN, LIMITED



EN, SP, FR



1201MNMDWJEIN

# JVC IMPORTANT For KW-XC777

Notice the following information will help you solve your problems.  
Keep this IMPORTANT sheet together with the INSTRUCTIONS.

- **After installing the unit.**

→ Follow the procedure [A] described below.

- **If the unit does not operate.**

→ Follow the procedure [A] described below.

- **If a CD is not ejected from the loading slot.**

→ Follow the procedure [B] described below. (If the procedure [B] does not work, try the procedure [A].)

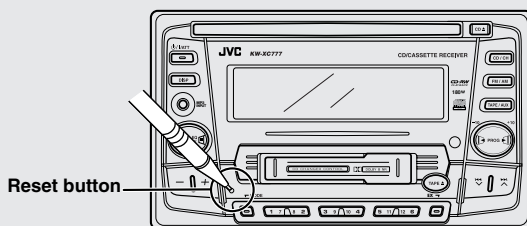
- **If a CD is not recognized (“NO DISC” appears on the display) even though there is a CD in the loading slot.**

→ Follow the procedure [B] described below. (If the procedure [B] does not work, try the procedure [A].)

## [A] To reset the microcomputer

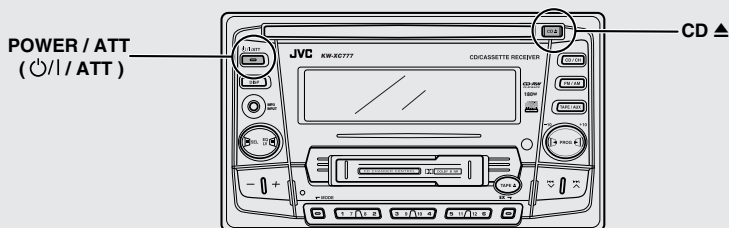
Press the reset button on the front panel using a ball-point pen or a similar tool. This will reset the built-in microcomputer.

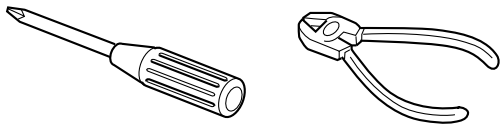
**NOTE:** Your preset adjustments — such as preset channels or sound adjustments — will also be erased.



## [B] To eject a CD by force

Press and hold both the POWER / ATT (⏻ / ATT) and CD ▲ buttons at the same time for several seconds until the “EJECT” appears on the display.





ENGLISH

- This unit is designed to operate on 12 volts DC, NEGATIVE ground electrical systems.

INSTALLATION (IN-DASH MOUNTING)

The following illustration shows a typical installation. However, you should make adjustments corresponding to your specific car. In this case consult the manual included with the installation kit (option).

In some case, depending of the type and the model of your car, it is not possible to install the unit into the center console.

If you have any questions or require information regarding installation kits, consult your JVC car audio dealer or a company supplying kits.

Before installing the unit

- To prevent short circuits, it is recommended to disconnect the battery's negative terminal and make all electrical connections before installing the unit.
- For reason of security, do not install the unit in a place where it may disturb your driving or where there is not enough ventilation space around the unit.
- When the installation position has been determined, confirm that the cords are sufficiently long.
- When mounting the unit, be sure to use the screws provided, as instructed. If other screws are used, there is a possibility that parts could become loose or damaged.
- If you are not sure how to install this unit correctly, consult a JVC car audio dealer or have it installed by a qualified technician.
- When tightening screws or bolts be careful not to pinch any connection cord.

**Caution:**  
To install the mounting brackets to the unit, use only the supplied screws (M5 x 6 mm).  
If you use any screw longer than 6 mm, the unit can be damaged.

After installing the unit

Check if all the brake lamps, lights, flasher, wiper, etc. work correctly.

ESPAÑOL

- Esta unidad está diseñada para funcionar con 12 voltios de CC, con sistemas eléctricos de masa NEGATIVA.

INSTALACION (MONTAJE EN EL TABLERO DE INSTRUMENTOS)

La siguiente ilustración muestra una instalación típica. Sin embargo usted deberá efectuar los ajustes correspondientes a su automóvil. En este caso, consulte el manual suministrado con el kit de instalación (opción).

En algunos casos, y dependiendo del tipo y modelo de su automóvil, es posible que no se pueda instalar esta unidad en la consola central.

Si tiene alguna pregunta o necesita información acerca de las herramientas para instalación, consulte con su concesionario de JVC de equipos de audio para automóviles o a una compañía que suministra tales herramientas.

Antes de instalar la unidad

- Para evitar cortocircuitos, recomendamos desconectar el terminal negativo de la batería y realizar todas las conexiones eléctricas antes de instalar la unidad.
- Para su seguridad, no instale la unidad en un sitio donde constituya un obstáculo para la conducción o donde no haya una ventilación suficiente a su alrededor.
- Después de decidir la posición de instalación, confirme que los cables sean suficientemente largos.
- Para instalar la unidad, asegúrese de utilizar los tornillos provistos y de seguir las instrucciones. El uso de otros tornillos podría hacer que las piezas se aflojen o dañen.
- En caso de dudas sobre cómo instalar correctamente la unidad, consulte con su concesionario JVC de equipos de audio para automóviles o solicite la instalación a un técnico cualificado.
- Cuando apriete pernos o tornillos, asegúrese de no que no quede ningún cable de conexión atrapado.

**Precaución:**  
Para instalar los soportes de montaje en la unidad, utilice solamente los tornillos suministrados (M5 x 6 mm).  
Si utiliza un tornillo de más de 6 mm de largo, se podrá dañar la unidad.

Después de instalar la unidad

Confirme el funcionamiento correcto de todas las lámparas de frenos, luces, intermitentes, limpiaparabrisas, etc.

FRANÇAIS

- *Cet appareil est conçu pour fonctionner sur des sources de courant continu de 12 volts à masse NEGATIVE.*

INSTALLATION (MONTAGE DANS LE TABLEAU DE BORD)

*L'illustration suivante est un exemple d'installation typique. Cependant, vous devez faire les ajustements correspondant à votre voiture particulière. Dans ce cas, consultez le manuel fourni avec le kit d'installation (en option).*

*Dans certains cas, selon le modèle de votre voiture, il peut ne pas être possible d'installer l'appareil dans la console centrale.*

*Si vous avez des questions ou avez besoin d'information sur des kits d'installation, consulter votre revendeur d'autoradios JVC ou une compagnie d'approvisionnement.*

Avant d'installer l'appareil

- *Pour éviter les courts-circuits, nous recommandons que vous déconnectez la borne négative de la batterie et de réaliser toutes les connexions électriques avant d'installer d'appareil.*
- *Pour votre sécurité, n'installez pas l'appareil dans un endroit où il peut gêner votre conduite ou dans un endroit où la ventilation autour de l'appareil est insuffisante.*
- *Quand l'emplacement de l'installation à été décidé, vérifiez que fils sont suffisamment longs.*
- *Lors du montage de l'appareil, assurez-vous d'utiliser les vis fournies comme indiqué. Si d'autres vis sont utilisées, certaines parties de l'appareil peuvent être endommagées ou mal fixées.*
- *Si vous n'êtes pas sûr sur la façon d'installer l'appareil correctement, consultez un revendeur d'autoradio JVC ou faites-le installer par un technicien qualifié.*
- *Lors du serrage des vis et des boulons, faites attention de ne pas pincer un cordon de connexion.*

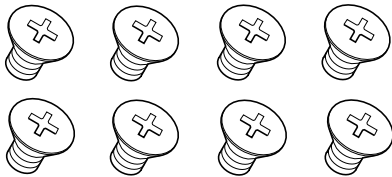
**Attention:**  
*Pour installer les supports de montage sur l'appareil, utilisez uniquement les vis fournies (M5 x 6 mm).*  
*Si vous utilisez des vis plus longues que 6 mm, l'appareil risque d'être endommagé.*

Après installer l'appareil

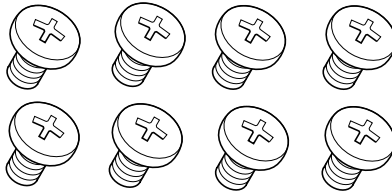
*Vérifiez que les feux d'arrêt, les feux, les clignotants, les essuie-glace, etc. fonctionnent correctement.*

Parts list for installation and connection

The following parts are provided with this unit.  
After checking them, please set them correctly.



Flat countersunk screws (M5 x 6 mm)  
Tornillo de cabeza avellanada plana (M5 x 6 mm)  
Vis à tête plate fraisée (M5 x 6 mm)



Binding screws (M5 x 6 mm)  
Tornillo de fijación (M5 x 6 mm)  
Vis de pression (M5 x 6 mm)

Lista de piezas para instalación y conexión

Con esta unidad se suministran las siguientes piezas.  
Después de inspeccionarlas, colóquelas correctamente.

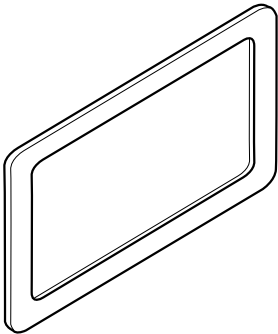
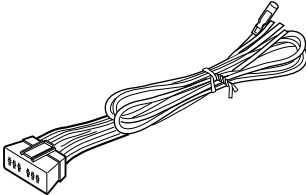


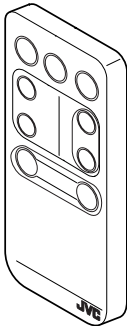
Plate for use with a Nissan car  
Placa para usar con un automóvil Nissan  
Plaque utilisée pour les voitures Nissan



Power cord  
Cordón de alimentación  
Cordon d'alimentation

Liste des pièces pour l'installation et raccordement

*Les pièces suivantes sont fournies avec cet appareil.*  
*Après vérification, veuillez les placer correctement.*



Remote controller  
Control remoto  
Télécommande



CR2025

Batteries  
Pilas  
Piles

**When installing the unit in a Nissan car.**  
**Cuando instale la unidad en un automóvil Nissan.**  
**Lors de l'installation de l'appareil dans une voiture Nissan.**

Fix the supplied plate as illustrated .

Fije la placa suministrada de la manera indicada en la ilustración.

*Fixez la plaque fournie comme montré sur l'illustration.*

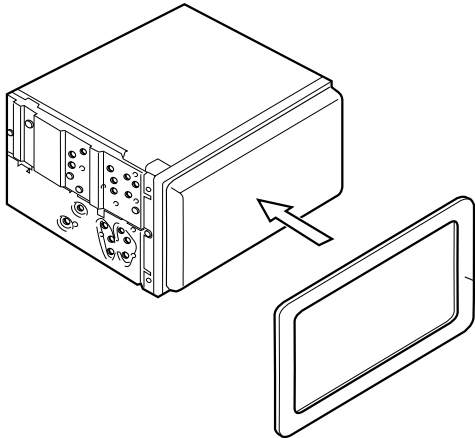


Plate for use with a Nissan car  
Placa para usar con un automóvil Nissan  
Plaque utilisée pour les voitures Nissan



- 1** Remove the audio system originally installed.  
**Note:** Be sure to keep all the screws and parts removed from your car. They are to be used in the future.
- 2** Install the mounting brackets, removed from the car, to this unit.
- 3** Connect the wires (see the diagrams on the reverse side).
- 4** Fix this unit to the car using the screws removed in step 1.

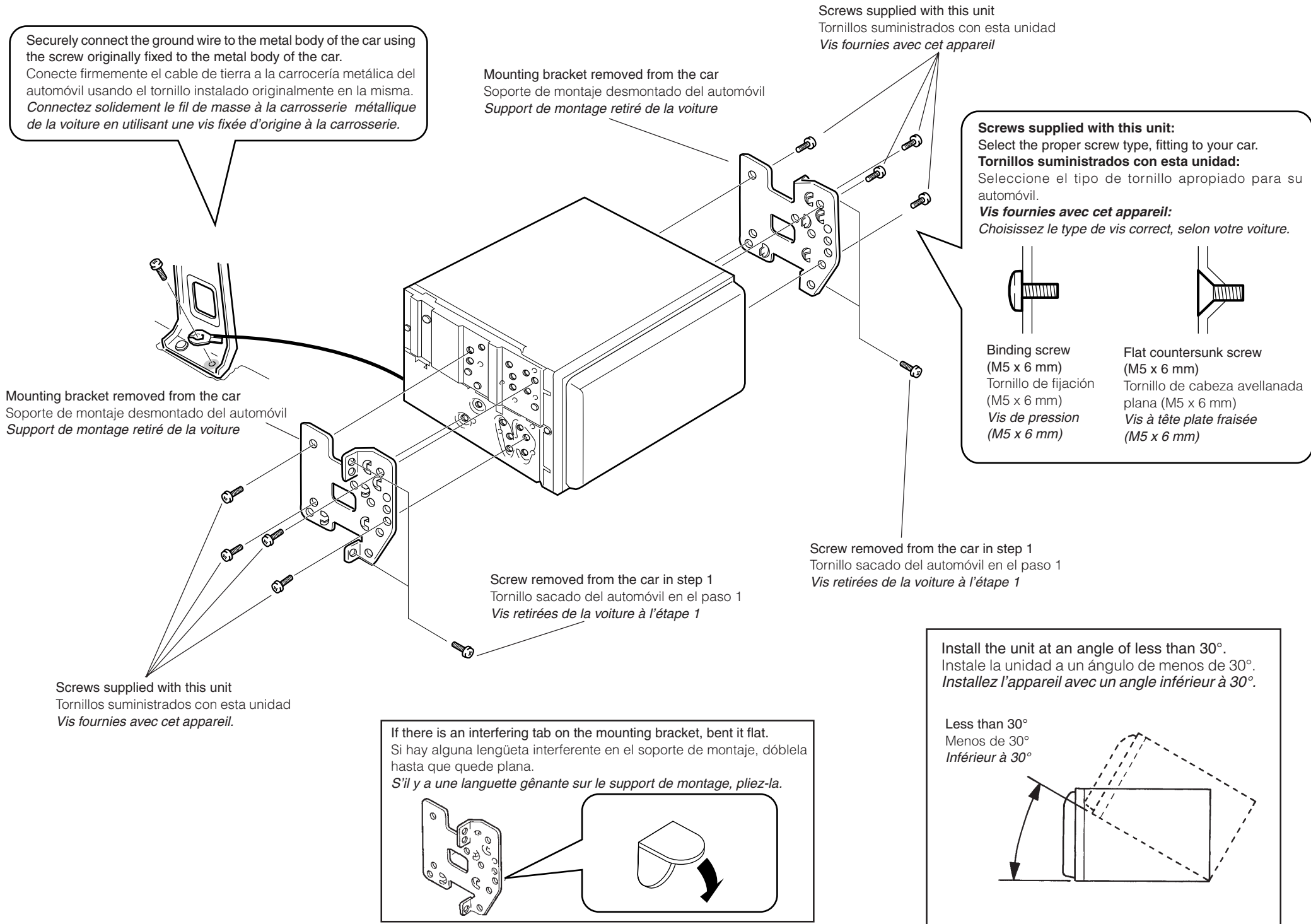
The following example shown is for installation in a Toyota.  
For more details, consult your JVC car audio dealer.

- 1** Desmonte el sistema de audio instalado originalmente.  
**Nota:** Guarde todos los tornillos y piezas removidos de su automóvil, pues deberá utilizarlos posteriormente.
- 2** Instale los soportes de montaje removidos de su automóvil, en esta unidad.
- 3** Conecte los cables (consulte los diagramas del reverso).
- 4** Fije esta unidad al automóvil usando los tornillos removidos en el paso 1.

El ejemplo indicado a continuación es para la instalación en un Toyota. Para mayor información, consulte con su concesionario JVC de equipos de audio para automóviles.

- 1** Retirez le système audio installé à l'origine.  
**Remarque:** Conservez toutes les vis et les pièces retirées de votre voiture. Elles pourront être réutilisées dans le futur.
- 2** Installez les supports de montage, retirés de la voiture, sur cet appareil.
- 3** Connectez les fils (réferez-vous aux diagrammes au dos de cette feuille).
- 4** Fixez cet appareil à la voiture en utilisant les vis retirées à l'étape 1.

L'exemple suivant représente l'installation dans une voiture Toyota. Pour plus renseignements, consultez votre revendeur autoradio JVC.

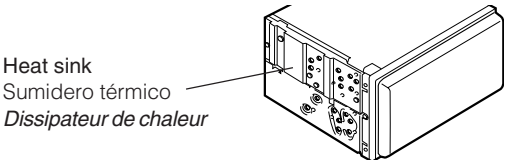


## ELECTRICAL CONNECTIONS

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the unit. If you are not sure how to install this unit correctly, have it installed by a qualified technician.

**Note:**  
This unit is designed to operate on **12 volts DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC car audio dealers.

- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC car audio dealer.
- If noise is a problem...  
This unit incorporates a noise filter in the power circuit. However, with some vehicles, clicking or other unwanted noise may occur. If this happens, connect the unit's **rear ground terminal** (see connection diagram below) to the car's chassis using shorter and thicker cords, such as copper braiding or gauge wire. If noise still persists, consult your JVC car audio dealer.
- Maximum input of the speakers should be more than 45 watts at the rear and 45 watts at the front, with an impedance of **4 Ω to 8 Ω**.
- **Be sure to ground this unit to the car's chassis.**
- The heat sink becomes very hot after use. Be careful not to touch it when removing this unit.



## CONEXIONES ELECTRICAS

Para evitar cortocircuitos, recomendamos que desconecte el terminal negativo de la batería y que efectúe todas las conexiones eléctricas antes de instalar la unidad. Si usted no está seguro de cómo instalar correctamente la unidad, hágala instalar por un técnico cualificado.

**Nota:**  
Esta unidad está diseñada para funcionar con **12 voltios de CC, con sistemas eléctricos de masa NEGATIVA**. Si su vehículo no posee este sistema, será necesario un inversor de tensión, que puede ser adquirido en los concesionarios de JVC de equipos de audio para automóviles.

- Reemplace el fusible por uno con la corriente especificada. Si el fusible se quemase frecuentemente consulte con su concesionario de JVC de equipos de audio para automóviles.
- Si el ruido fuese un problema...  
Esta unidad tiene un filtro de ruido en el circuito de alimentación. Sin embargo, en algunos vehículos, pueden producirse chasquidos u otros ruidos indeseados. En tal caso conecte el **terminal de tierra posterior** (ver diagrama de conexión abajo) del receptor al chasis del automóvil, utilizando cordones más gruesos y cortos tales como alambre de cobre trenzado o de grueso calibre. Si el ruido persiste, consulte a su concesionario de JVC de equipos de audio para automóvil.
- La entrada máxima de los altavoces traseros debe ser mayor de 45 vatios y la de los delanteros de 45 vatios, con una impedancia de **4 Ω a 8 Ω**.
- **Asegúrese de conectar esta unidad a tierra en el chasis del automóvil.**
- El sumidero térmico estará muy caliente después del uso. Asegúrese de no tocarlo al desmontar esta unidad.

## RACCORDEMENTS ELECTRIQUES

Pour éviter tout court-circuit, nous vous recommandons de débrancher la borne négative de la batterie et d'effectuer tous les raccordements électriques avant d'installer l'appareil. Si l'on n'est pas sûr de pouvoir installer correctement cet appareil, le faire installer par un technicien qualifié.

**Remarque:**  
Cet appareil est conçu pour fonctionner sur des sources de courant continu de **12 volts à masse NEGATIVE**. Si votre véhicule n'offre pas ce type d'alimentation, il vous faut un convertisseur de tension, que vous pouvez acheter chez un revendeur d'autoradios JVC.

- Remplacer le fusible par un de la valeur précisée. Si le fusible saute souvent, consulter votre revendeur d'autoradios JVC.
- Si le bruit est un problème...  
Cet appareil incorpore un filtre de bruit dans le circuit d'alimentation. Cependant, avec certains véhicules, quelques claquements ou autres bruits non désirés risquent de se produire. Si cela arrive, raccorder la **borne de masse arrière** de l'appareil au châssis de la voiture (voir le schéma de raccordement ci-dessous) en utilisant des cordons les plus gros et les plus courts possibles telle qu'une barre de cuivre ou une tresse. Si le bruit persiste, consulter votre revendeur d'autoradios JVC.
- La puissance admissible des haut-parleurs doit être supérieure à 45 watts à l'arrière et à 45 watts l'avant, avec une impédance de **4 Ω à 8 Ω**.
- **S'assurer de raccorder la mise à la masse de cet appareil au châssis de la voiture.**
- Le radiateur devient très chaud après usage. Faire attention de ne pas le toucher en retirant cet appareil.

**A Typical Connections / Conexiones típicas / Raccordements typiques**

**Before connecting:** Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this unit.

**1** Connect the colored leads of the power cord to the car battery, speakers and automatic antenna (if any) in the following sequence.

- ① Black: ground
- ② Yellow: to car battery (constant 12V)
- ③ Red: to an accessory terminal
- ④ Blue with white stripe (Remote out) : to other equipment
- ⑤ Blue : to automatic power antenna (requires power more than 250 mA.)
- ⑥ Orange with white stripe: to illumination or small lamp terminal
- ⑦ Others: to speakers

**2** Connect the antenna cord.

**3** Finally connect the wiring harness to the unit.

**Antes de la conexión:** Verifique atentamente el conexionado del vehículo para no cometer errores al conectar esta unidad. Una conexión incorrecta podría producir daños graves en la unidad.

**1** Conecte los conductores de color del cable de alimentación a la batería del automóvil, altavoces y antena automática (si la hubiere) en la secuencia siguiente.

- ① Negro: a tierra
- ② Amarillo: a la batería del automóvil (12V constantes)
- ③ Rojo: a un terminal de accesorio
- ④ Azul con rayas blancas (Salida para control remoto) : a otro equipo
- ⑤ Azul : a la antena motriz automática (requiere una energía de más de 250 mA.)
- ⑥ Naranja con rayas blancas: a iluminación o terminal de lámpara pequeña
- ⑦ Otros: a los altavoces

**2** Conecte el cable de antena.

**3** Por último, conecte a la unidad el cableado preformado.

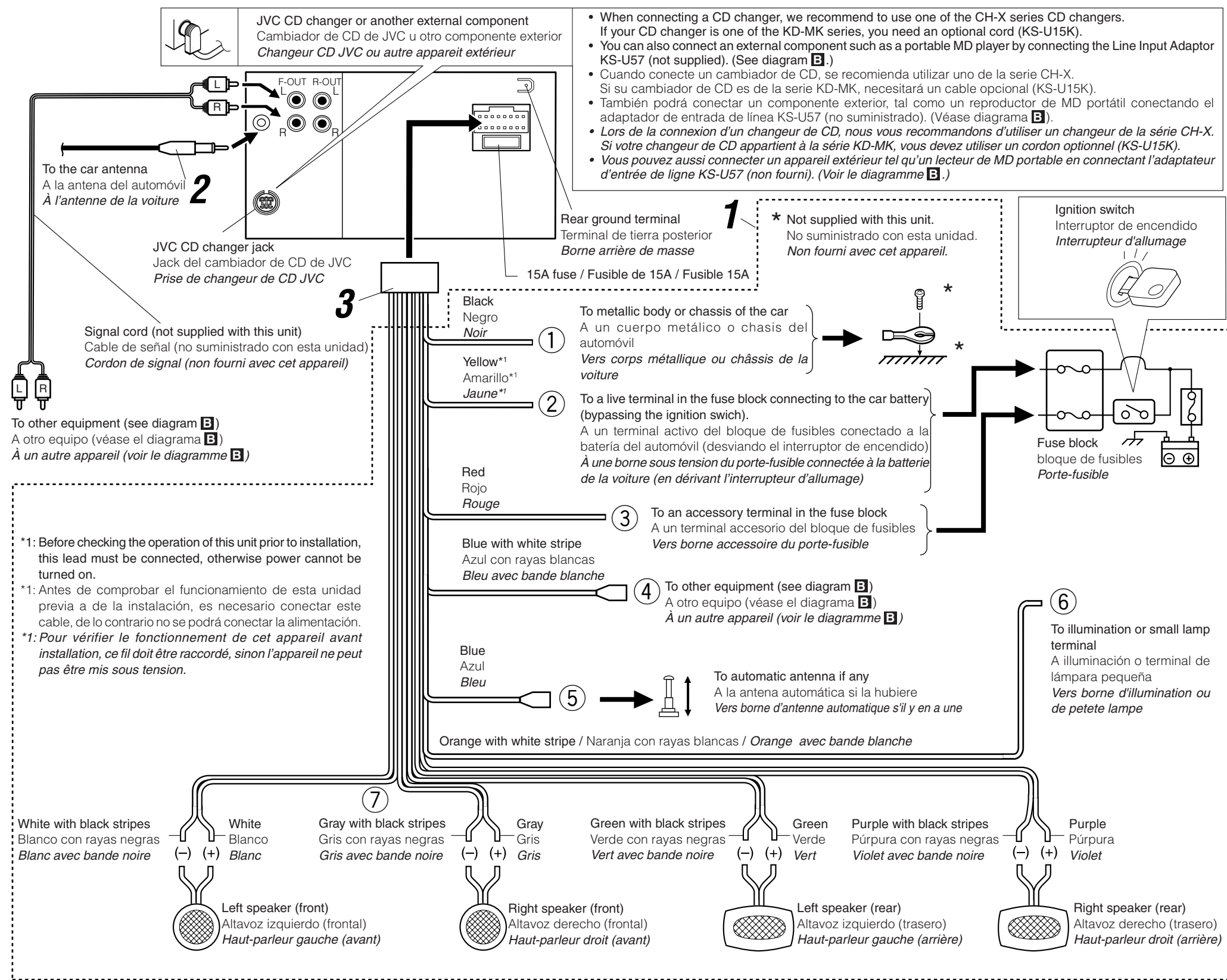
**Avant de commencer la connexion:** vérifiez attentivement le câblage du véhicule pour ne pas connecter incorrectement cet appareil. Une connexion incorrecte peut endommager sérieusement l'appareil.

**1** Connectez les fils de couleur du cordon d'alimentation à la batterie de la voiture, aux enceintes et à l'antenne automatique (s'il y en a une) dans l'ordre suivant.

- ① Noir: a la masse
- ② Jaune: a la batterie de la voiture (12V constant)
- ③ Rouge: à la prise accessoire
- ④ Bleu avec bande blanche (Sortie de la commande à distance): à un autre appareil
- ⑤ Bleu : à l'antenne électrique automatique (nécessite un courant supérieur à 250 mA.)
- ⑥ Orange avec de bande blanche: vers borne d'illumination ou de petete lampe
- ⑦ Autres fils: aux enceintes

**2** Connectez le cordon d'antenne.

**3** Finalement, connectez le faisceau de fils à l'appareil.

**TROUBLESHOOTING**

- **The fuse blows.**  
\* Are the red and black leads connected correctly?
- **Power cannot be turned on.**  
\* Is the yellow lead connected?
- **No sound from the speakers.**  
\* Is the speaker output lead short-circuited?
- **Sound is distorted.**  
\* Is the speaker output lead grounded?  
\* Are the “—” terminals of L and R speakers grounded in common?
- **Unit becomes hot.**  
\* Is the speaker output lead grounded?  
\* Are the “—” terminals of L and R speakers grounded in common?

**LOCALIZACION DE AVERIAS**

- **El fusible se quema.**  
\* ¿Están los conductores rojo y negro correctamente conectados?
- **No es posible conectar la alimentación.**  
\* ¿Está el cable amarillo conectado?
- **No sale sonido de los altavoces.**  
\* ¿Está el cable de salida del altavoz cortocircuitado?
- **El sonido presenta distorsión.**  
\* ¿Está el cable de salida del altavoz conectado a masa?  
\* ¿Están los terminales “—” de los altavoces L y R conectados a una masa común?
- **La unidad se calienta.**  
\* ¿Está el cable de salida del altavoz conectado a masa?  
\* ¿Están los terminales “—” de los altavoces L y R conectados a una masa común?

**EN CAS DE DIFFICULTES**

- **Le fusible saute.**  
\* Les fils rouge et noir sont-ils racordés correctement?
- **L'appareil ne peut pas être mise sous tension.**  
\* Le fil jaune est-elle raccordée?
- **Pas de son des haut-parleurs.**  
\* Le fil de sortie de haut-parleur est-il court-circuité?
- **Le son est déformé.**  
\* Le fil de sortie de haut-parleur est-il à la masse?  
\* Les bornes “—” des haut-parleurs gauche et droit sont-elles mises ensemble à la masse?
- **L'appareil devient chaud.**  
\* Le fil de sortie de haut-parleur est-il à la masse?  
\* Les bornes “—” des haut-parleurs gauche et droit sont-elles mises ensemble à la masse?



**PRECAUTIONS on power supply and speaker connections:**

- **DO NOT** connect the speaker leads of the power cord to the car battery; otherwise, the unit will be seriously damaged.
- Connect the black lead (ground), yellow lead (to car battery, constant 12V), and red lead (to an accessory terminal) correctly.
- **BEFORE** connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.
  - **If the speaker wiring in your car is as illustrated in Fig. 1 and Fig. 2 below, DO NOT** connect the unit using that original speaker wiring. If you do, the unit will be seriously damaged. Redo the speaker wiring so that you can connect the unit to the speakers as illustrated in Fig. 3.
  - **If the speaker wiring in your car is as illustrated in Fig. 3,** you can connect the unit using the original speaker wiring in your car.
  - If you are not sure of the speaker wiring of your car, consult your car dealer.

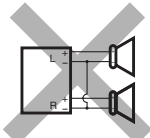


Fig. 1

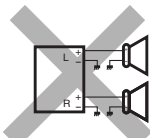


Fig. 2

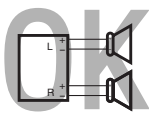


Fig. 3

**PRECAUCIONES sobre las conexiones de la fuente de alimentación y de los altavoces:**

- **NO** conecte los conductores de altavoz del cable de alimentación a la batería de automóvil, pues podrían producirse graves daños en la unidad.
- Conecte correctamente el conductor negro (a tierra), el conductor amarillo (a la batería del automóvil, 12V constantes), y el conductor rojo (a un terminal de accesorio).
- **ANTES** de conectar a los altavoces los conductores de altavoz del cable de alimentación, verifique el conexionado de altavoz de su automóvil.
  - **Si el conexionado de altavoz de su automóvil es como se indica en las Figs. 1 y 2 de abajo, NO** conecte la unidad utilizando ese conexionado de altavoz original. Si lo hace, se producirán daños graves en la unidad. Vuelva a efectuar el conexionado de altavoz de manera que pueda conectar la unidad a los altavoces de la manera indicada en la Fig.3.
  - **Si el conexionado de altavoz de su automóvil es como se indica en la Fig. 3,** podrá conectar la unidad utilizando el conexionado de altavoz original de su automóvil.
  - Si tiene dudas sobre el conexionado de altavoz de su automóvil, consulte con su concesionario.

**PRECAUTIONS sur l'alimentation et la connexion des enceintes:**

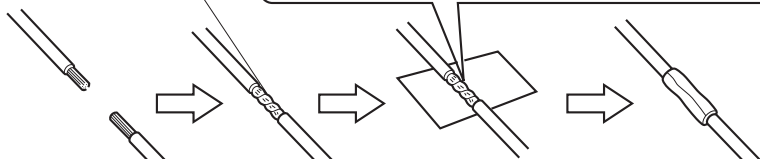
- **NE CONNECTEZ PAS** les fils d'enceintes du cordon d'alimentation à la batterie de la voiture; sinon, l'appareil serait sérieusement endommagé.
- *Connectez correctement le fil noir (à la masse), le fil jaune (à la batterie de la voiture, 12V constant) et le fil rouge (à la prise accessoire).*
- **AVANT** de connecter les fils d'enceintes du cordon d'alimentation aux enceintes, vérifiez le câblage des enceintes de votre voiture.
  - **Si le câblage des enceintes de votre voiture est réalisé comme montré sur la Fig. 1 ou Fig. 2 ci-dessous, NE CONNECTEZ PAS** l'appareil en utilisant ce câblage original d'enceintes. Si vous le faites, l'appareil sera sérieusement endommagé. Recommencez le câblage des enceintes de façon que vous puissiez connecter l'appareil aux enceintes comme montré sur la Fig. 3.
  - **Si le câblage des enceintes de votre voiture est comme montré sur la Fig. 3,** vous pouvez connecter l'appareil en utilisant ce câblage original d'enceintes pour votre voiture.
  - Si vous n'êtes pas sûrs du câblage d'enceintes de votre voiture, consulter le concessionnaire de votre voiture.

**Connecting the leads / Conexión de los conductores / Raccordement des fils**

Twist the core wires when connecting.  
Retuerza los alambres de alma para conectarlos.  
*Torsader les âmes des fils en les raccordant.*

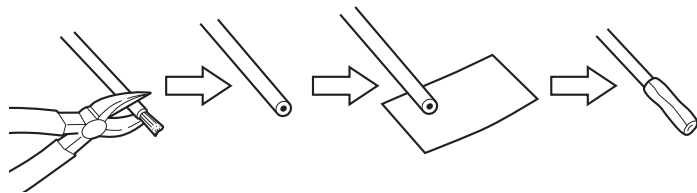


Solder the core wires to connect them securely.  
Suelde los alambres de alma para conectarlos con firmeza.  
*Souder les âmes des fils pour les raccorder entre eux de façon sûre.*



**CAUTION / PRECAUCION / PRECAUTION:**

- To prevent short-circuit, cover the terminals of the **UNUSED** leads with insulating tape.
- Para evitar cortocircuitos, cubra los cables **NO UTILIZADOS** con cinta aislante.
- Pour éviter les court-circuits, couvrir les bornes des fils qui **NE SONT PAS UTILISÉS** avec de la bande isolante.

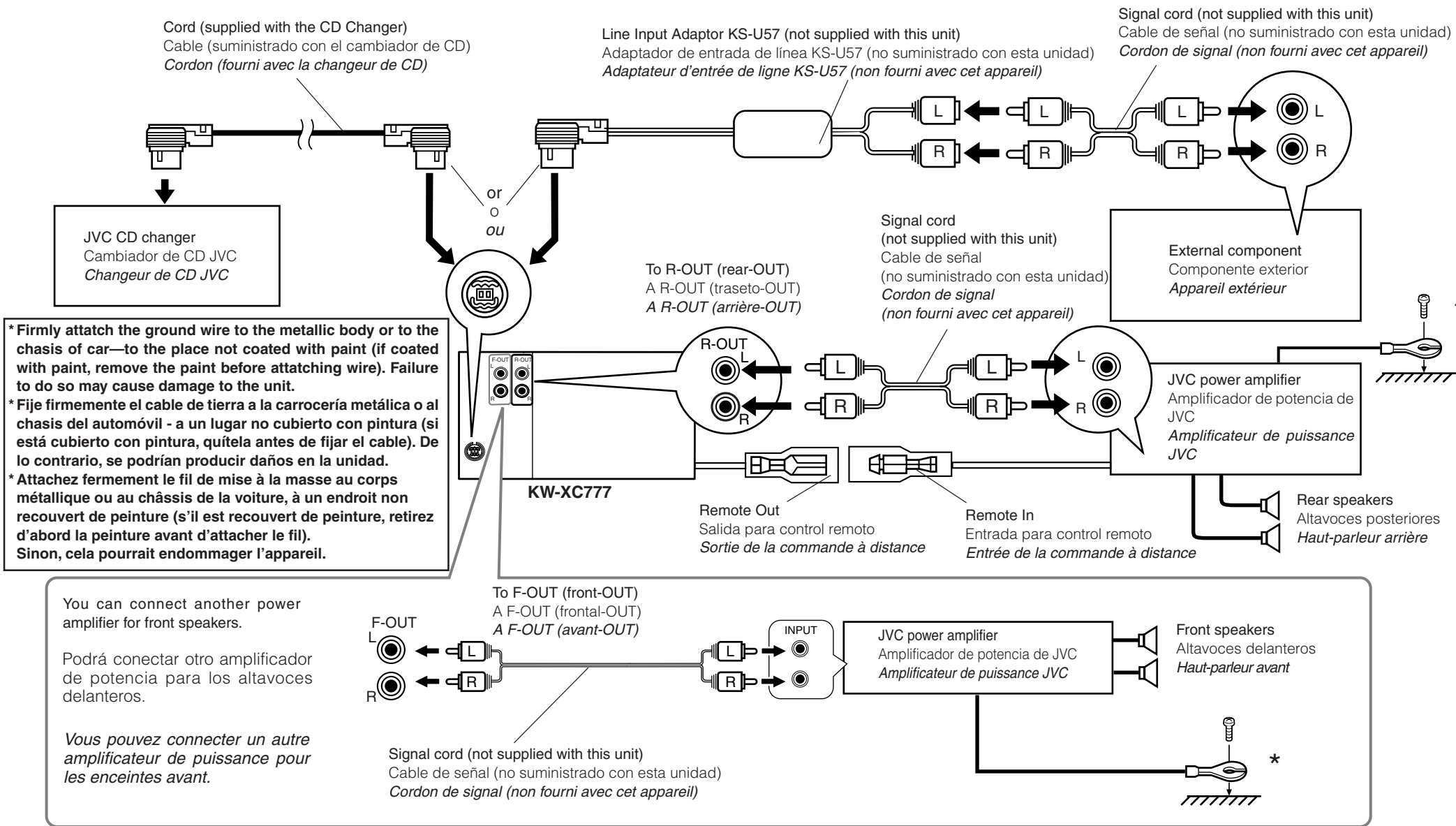


**B Connections Adding Other Equipment / Conexiones para añadir otros equipos / Raccordement pour ajouter d'autres appareils**

- You can connect an amplifier and other equipment to upgrade your car stereo system.
- For connections, refer also to the instructions supplied for other components.
  - Connect the remote lead (blue with white stripes) to the remote lead of the other equipment so that it can be controlled through this unit.
  - For amplifier only:
    - Connect this unit's line-out terminals to the amplifier's line-in terminals.
    - **Disconnect the speakers from this unit, connect them to the amplifier. Leave the speaker leads of this unit unused. (Cover the terminals of these unused leads with insulating tape, as illustrated above.)**

- Usted podrá conectar un amplificador y otro equipo para mejorar el sistema estéreo de su automóvil.
- Para las conexiones, refiérase también a las instrucciones suministradas para los otros componentes.
  - Conecte el cable remoto (azul con rayas blancas) al cable remoto del otro equipo para poderlo controlar a través de esta unidad.
  - Sólo para el amplificador:
    - Conecte los terminales de salida de línea de esta unidad con los terminales de entrada de línea del amplificador.
    - **Desconecte los altavoces de esta unidad y conéctelos al amplificador. Los cables de los altavoces de esta unidad quedan sin usar. (Cubra los terminales de estos cables sin usar con cinta aislante, tal comose indica en la figura de arriba.)**

- Vous pouvez connecter un amplificateur ou un autre appareil pour améliorer votre système autoradio.*
- *Pour les connexions, référez-vous aussi aux instructions fournies avec les autres appareils.*
  - *Connectez le fil de commande à distance (bleu avec des bandes blanches) au fil de commande à distance de l'autre appareil de façon qu'il puisse être commandé par cet appareil.*
  - *Pour l'amplificateur seulement:*
    - *Raccorder les bornes de sortie ligne de cet appareil aux bornes d'entrée ligne de l'amplificateur.*
    - *Déconnectez les enceintes de cet appareil et connectez-les à l'amplificateur. Laissez les fils d'enceintes de cet appareil inutilisés. (Recouvrir les extrémités de ces fils inutilisés avec de la bande isolante comme montré ci-dessus.)*



### BEFORE ELECTRICAL CONNECTIONS

The first and most important step in installation is to identify the wires inside the car you need to use. If you are not sure what wires are used for what purposes inside the car, read this sheet carefully.

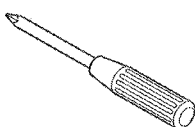
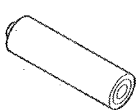
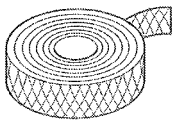
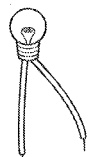
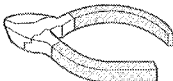
#### What Leads Are inside the Car?

You need to identify the following leads used in the car (after removing an existing audio receiver or radio, if any, from your car).

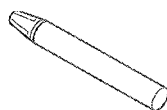
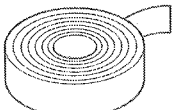
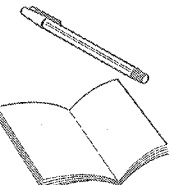
Leads inside the car	Function (and where to connect on the receiver)
① <b>Battery lead</b>	Supplies a continuous power to your receiver even when the ignition key is turned off. This lead provides a continuous power to maintaining the clock and internal memory in the receiver. – Connect this lead to the yellow wire of the receiver.
② <b>Power lead</b>	Supplies power to your receiver when the ignition key is turned to the accessory position (ACC) or to the on position (ON). – Connect this lead to the red wire of the receiver.
③ <b>Speaker leads</b>	Connects to the speakers inside the car. – Connect these leads to the corresponding speaker wires of the receiver.
④ <b>Automatic antenna lead</b>	Supplies power to automatic power antenna if any. – If receiver has the blue-with-white-stripe wire, connect this lead to it.
⑤ <b>Antenna lead</b>	Connects to the car antenna. – Connect to the antenna input terminal of the receiver.

#### Required Tools

- Tools you must prepare:

		
Screwdriver	Size AA battery	Insulating tape
		
12V DC test bulb	Side-cut pliers	

- Tools you had better prepare:

		
Permanent maker	Masking tape	Writing implements

As you identify each lead, you can label it using masking tape and a permanent marker, and can note the colors of the leads used in the car. This will help avoid confusion when making connections later.

- For identifying method by using the above tools, see the reverse side.

### ANTES DE LAS CONEXIONES ELECTRICAS

El primer paso de la instalación y el más importante, es identificar cuáles son los cables del automóvil que se deben utilizar. Si tiene dudas acerca de los cables que se deben utilizar para cada propósito, lea esta hoja atentamente.

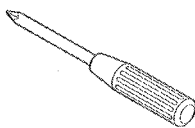
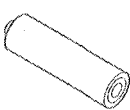
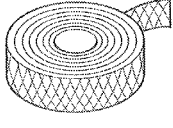
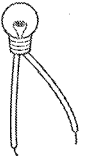
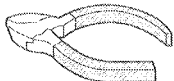
#### ¿Qué conductores hay dentro del automóvil?

Es necesario que sepa identificar los siguientes conductores de su automóvil (tras desmontar el receptor de audio o la radio de su automóvil, si equiparse).

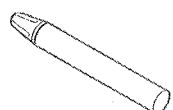

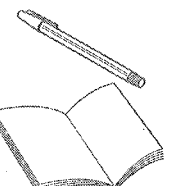
Conductores del interior del automóvil	Función (y punto de conexión en el receptor)
① <b>Conductor de la batería</b>	Suministra continuamente energía a su receptor incluso con el encendido desconectado. Este conductor suministra energía de manera continua para alimentar al reloj y a la memoria interna del receptor. – Conecte este conductor con el cable amarillo del receptor.
② <b>Conductor de alimentación</b>	Suministra energía a su receptor con la llave de contacto en la posición de accesorios (ACC) o en la posición de conexión (ON). – Conecte este conductor con el cable rojo del receptor.
③ <b>Conductores de los altavoces</b>	Efectúan la conexión con los altavoces del automóvil. – Conecte estos conductores con los correspondientes cables de altavoz del receptor.
④ <b>Conductor de antena automática</b>	Suministra energía a la antena motriz automática, si hubiere. – Si el receptor tiene cable azul con rayas blancas, conéctele este conductor.
⑤ <b>Conductor de antena</b>	Conecta con la antena del automóvil. – Conecte este conductor con el terminal de entrada de antena del receptor.

#### Herramientas requeridas

- Herramientas que debe preparar:

		
Destornillador	Pila de tamaño AA	Cinta aislante
		
Bombilla de prueba de 12V CC	Alicates de corte lateral	

- Herramientas recomendadas:

		
Rotulador	Cinta enmascarante	Utiles para escribir

A medida que vaya identificando cada conductor, podrá ponerle una etiqueta utilizando cinta enmascarante y rotulador, y anotar los colores de los conductores empleados en su automóvil. Esto le ayudará a evitar confusiones a la hora de realizar las conexiones.

- Con respecto al método de identificación utilizando las herramientas de arriba, véase al dorso.

### AVANT LES CONNEXIONS ÉLECTRIQUES

La première et plus importante étape de l'installation est l'identification des fils de la voiture que vous devez utiliser. Si vous ne savez pas quelle est l'utilisation de chaque fil, lisez cette feuille attentivement.

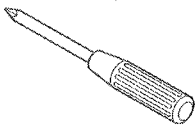
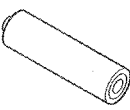
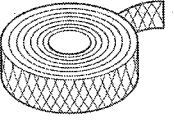
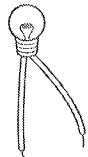
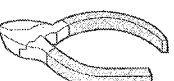
#### Quels sont les fils de votre voiture?

Vous devez identifier les fils suivants dans votre voiture (après avoir en avoir retiré l'actuel et éventuel autoradio).

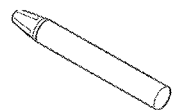

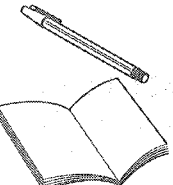
Fils à l'intérieur de la voiture	Fonction (et où connecter ces fils sur l'autoradio)
① <b>Fil de batterie</b>	Alimente en courant continu votre autoradio même quand le contact est coupé. Ce fil offre une alimentation continue qui permet de protéger l'horloge et la mémoire interne de l'autoradio. – Connectez ce fil au fil jaune de l'autoradio.
② <b>Fil d'alimentation</b>	Alimente votre autoradio quand la clé de contact est mise sur la position accessoire (ACC) ou sur la position marche (ON). – Connectez ce fil au fil rouge de l'autoradio.
③ <b>Fils d'enceintes</b>	Connectent les enceintes intérieures de la voiture. – Connectez ces fils aux fils correspondants sur l'autoradio.
④ <b>Fil d'antenne automatique</b>	Alimente l'antenne automatique s'il y en a une. – Si l'autoradio possède un fil bleu à bandes blanches, connectez-y ce fil.
⑤ <b>Fil d'antenne</b>	Connecte l'antenne de la voiture. – Connectez ce fil à la prise d'entrée d'antenne de l'autoradio.

#### Outils nécessaires

- Outils à préparer:

		
Tournevis	Pile de taille AA	Ruban isolant
		
Ampoule de test 12V CC	Pinces coupantes sur côté	

- Outils dont vous pouvez avoir besoin

		
Marqueur indélébile	Cache ruban	De quoi écrire

Au fur et à mesure que vous identifiez chaque fil, vous pouvez les étiqueter en utilisant le cache ruban et un marqueur indélébile et noter les couleurs des fils utilisés dans la voiture. Cela vous aidera à ne pas vous tromper lorsque vous ferez les connexions plus tard.

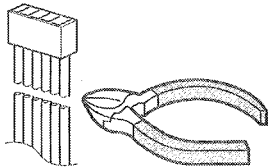
- Pour la méthode d'identification en utilisant les outils ci-dessus, reportez-vous au verso de cette feuille.



## How to Identify the Leads inside the Car

Before start, make sure ....

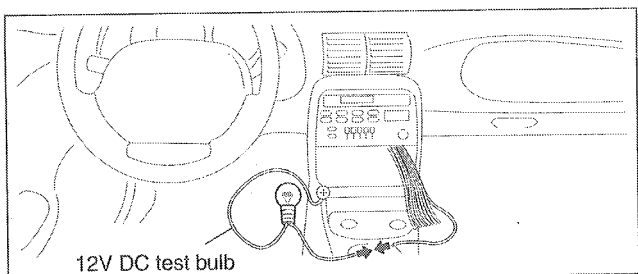
- Check the speaker wiring inside the car first.  
If speaker wiring is not appropriate (see "PRECAUTION on power supply and speaker connection" on the Installation/Connection Manual), first redo the speaker wiring inside the car.
- Pay much attention to avoid short-circuits. Insulate all exposed leads until you use them. Do not allow any exposed wire not in use to touch the metallic part or chassis of the car, and other exposed wires.
- If necessary, cut off the connector plug from leads coming from the car's battery (leaving the leads as long as possible) so that you can work with individual wires.



### ① Battery lead

■ If your car is pre-wired for the audio system:

- 1 Turn the ignition key to the off position (OFF).
- 2 Connect one lead of the test bulb to the metallic part or chassis of the car.
- 3 Touch the other lead of the test bulb to each wire inside the car.
  - Touch one wire at a time until you find a wire causing the test bulb to light. This wire is the battery lead.



■ If your car is NOT pre-wired for the audio system:

- Find the fuse port preparing for a continuous power supply from the battery (usually marked BAT).

### ② Power lead

■ If your car is pre-wired for the audio system:

- 1 Turn the ignition key to the accessory position (ACC).
- 2 Connect one lead of the test bulb to the metallic part or chassis of the car.
- 3 Touch the other lead of the test bulb to each wire inside the car.
  - Touch one wire at a time until you find a wire causing the test bulb to light.
- 4 If you find one, turn the ignition key off then on.  
If the test bulb also turns off and on, it is the power lead.  
If it does not turn off though you turn off the ignition key, it is the battery lead (see above).

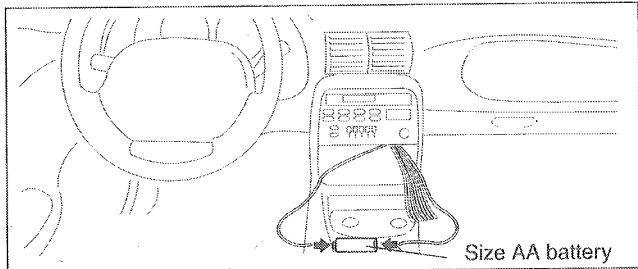
■ If your car is NOT pre-wired for the audio system:

- Find the fuse port preparing for a radio (RADIO) or an accessory (ACC) in the fuse block.

### ③ Speaker leads

Find two wires for each speaker by using a size AA battery as follows.

- 1 Turn the ignition key to the off position (OFF).
- 2 Touch one wire inside the car to one pole (+ or -) of the battery.
- 3 Touch another wire to the other of the battery.  
If you hear a scraping noise from a speaker, you find a correct combination of the speaker leads for the speaker.
- 4 Repeat steps 1 and 2 until you find all combinations of speaker leads for the other speakers.



### ④ Automatic antenna lead

If your car is equipped with an automatic power antenna, find the automatic antenna lead.

- 1 Turn the ignition key to the accessory position (ACC).
- 2 Connect one lead of the test bulb to the battery lead (①) you have found.
- 3 Touch the other lead of the test bulb to each wire inside the car.
  - Touch one wire at a time until you find a wire causing the automatic power antenna to extend. This wire is the automatic antenna lead.

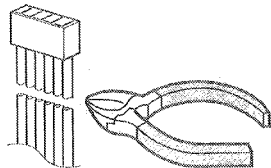
### ⑤ Antenna lead

This is a thick, black wire with a metal plug. Easily identified by its appearance. (See "A Typical Connections" on the Installation/Connection Manual.)

## Cómo identificar los conductores empleados en el automóvil

Antes de comenzar, asegúrese de ....

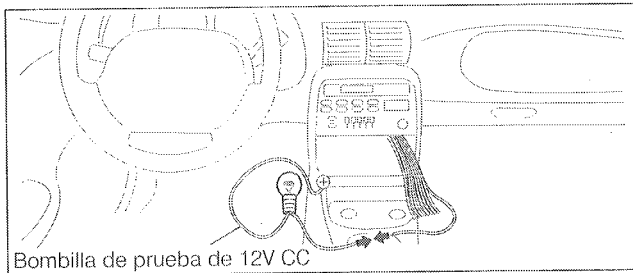
- Comprobar primero el cableado de los altavoces del automóvil.  
Si el cableado de los altavoces no es apropiado (consulte "PRECAUCIONES sobre la fuente de alimentación y la conexión de los altavoces" en el manual de instalación/conexión), primero deberá rehacer el cableado de los altavoces del interior del automóvil.
- Prestar suma atención para evitar cortocircuitos. Asegurarse de aislar todos los conductores al descubierto hasta el momento de utilizarlos. Ningún cable al descubierto sin utilizar deberá estar en contacto con alguna parte metálica o el chasis del automóvil o con otros cables al descubierto.
- Si es necesario, cortar la clavija de conexión y separarla de los conductores procedentes de la batería del automóvil (dejando los conductores lo más largo posible) de manera que pueda trabajar individualmente con cada cable.



### ① Conductor de la batería

■ Si su automóvil está precableado para el sistema de audio:

- 1 Gire la llave de contacto a la posición de desconexión (OFF).
- 2 Conecte un conductor de la bombilla de prueba con la parte metálica o el chasis del automóvil.
- 3 Con el otro conductor de la bombilla de prueba toque uno por uno los cables del interior del automóvil.
  - Toque los cables de a uno hasta encontrar el que haga iluminar la bombilla de prueba. Este cable es el conductor de la batería.



■ Si su automóvil NO está precableado para el sistema de audio:

- Localice el puerto de fusible y prepárelo para suministrar continuamente energía desde la batería (normalmente marcado BAT).

### ② Conductor de alimentación

■ Si su automóvil está precableado para el sistema de audio:

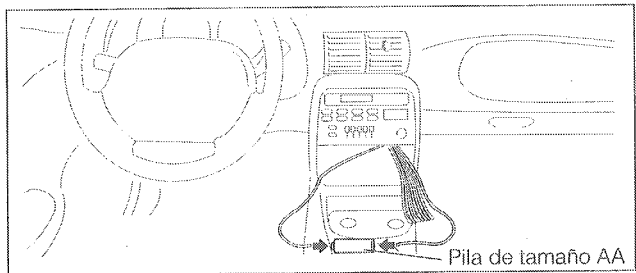
- 1 Gire la llave de contacto a la posición de accesorios (ACC).
- 2 Conecte un conductor de la bombilla de prueba con la parte metálica o el chasis del automóvil.
- 3 Con el otro conductor de la bombilla de prueba toque uno por uno los cables del interior del automóvil.
  - Toque los cables de a uno hasta encontrar el que haga iluminar la bombilla de prueba.
- 4 Si lo encuentra, desconecte y vuelva a conectar la llave de contacto.  
Si la bombilla de prueba también se apaga y se enciende, significa que es el conductor de alimentación.  
Si la bombilla no se apaga al desconectar la llave de contacto, significa que se trata del conductor de la batería (véase arriba).

■ Si su automóvil NO está precableado para el sistema de audio:  
Localice el puerto de fusible y prepárelo para la radio (RADIO) o un accesorio (ACC) en el bloque de fusibles.

### ③ Conductores de los altavoces

Utilizando una pila de tamaño AA, localice dos cables para cada altavoz, de la siguiente manera.

- 1 Gire la llave de contacto a la posición de desconexión (OFF).
- 2 Toque un polo (+ o -) de la pila con uno de los cables del interior del automóvil.
- 3 Toque el otro polo de la pila con otro cable.  
Si el altavoz produce rechinar, significa que ha encontrado la combinación correcta de conductores para el altavoz.
- 4 Repita los pasos 1 y 2 hasta encontrar todas las combinaciones de conductores para los demás altavoces.



### ④ Conductor de antena automática

Si su automóvil se encuentra equipado con una antena motriz automática, localice el conductor de la antena automática.

- 1 Gire la llave de contacto a la posición de accesorios (ACC).
- 2 Conecte un conductor de la bombilla de prueba con el conductor de batería (①) localizada previamente.
- 3 Toque cada uno de los cables del interior del automóvil con el otro conductor de la bombilla de prueba.
  - Toque los cables de a uno hasta encontrar el que haga extender la antena motriz automática. Este cable es el conductor de antena automática.

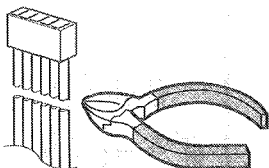
### ⑤ Conductor de antena

Este es un cable grueso y negro con clavija de metal. Se identifica fácilmente por su apariencia. (Consulte "A Conexiones típicas" en el manual de instalación/conexión.)

## Comment identifier les fils de votre voiture

Avant de commencer, veuillez vous assurer des choses suivantes ....

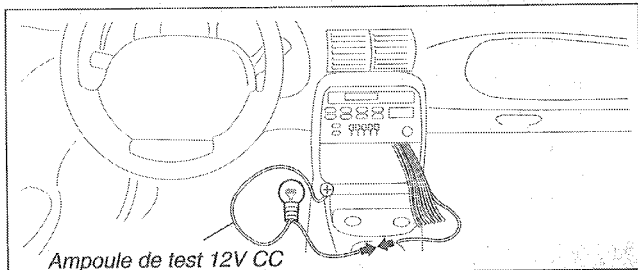
- Vérifiez d'abord le câblage des enceintes de la voiture.  
Si le câblage des enceintes n'est pas correct (voir "PRÉCAUTIONS sur l'alimentation et la connexion des enceintes" dans le manuel d'installation/connexion), refaites d'abord le câblage des enceintes de la voiture.
- Faites attention d'éviter les courts-circuits. Isolez tous les fils à nu jusqu'à ce que vous les utilisiez. Ne laissez aucun fil à nu inutilisé toucher la partie métallique ou le châssis de la voiture ni les autres fils à nu.
- Si nécessaire, coupez la fiche de connexion des fils provenant de la batterie de la voiture (laissez les fils aussi longs que possible) de façon à pouvoir travailler sur un fil particulier.



### ① Fil de batterie

■ Si votre voiture possède déjà un câblage pour système audio:

- 1 Mettez la clé de contact sur la position d'arrêt (OFF).
- 2 Connectez un fil de l'ampoule de test à une partie métallique ou au châssis de la voiture.
- 3 Avec l'autre fil de l'ampoule de test, touchez chaque fil de la voiture.
  - Touchez un fil à la fois jusqu'à ce que vous ayez trouvé celui qui allume l'ampoule de test. Ce fil est le fil de batterie.



■ Si votre voiture ne possède pas de câblage pour système audio:

- Trouvez la prise fusible prévue pour une alimentation continue à partir de la batterie (marquée habituellement BAT).

### ② Fil d'alimentation

■ Si votre voiture possède déjà un câblage pour système audio:

- 1 Mettez la clé de contact sur la position accessoire (ACC).
- 2 Connectez un fil de l'ampoule de test à une partie métallique ou au châssis de la voiture.
- 3 Avec l'autre fil de l'ampoule de test, touchez chaque fil de la voiture.
  - Touchez un fil à la fois jusqu'à ce que vous ayez trouvé celui qui allume l'ampoule de test. Ce fil est le fil de batterie.
- 4 Une fois que vous avez trouvé un fil, tournez la clé de contact sur la position d'arrêt (OFF) puis de nouveau en position accessoire.  
Si l'ampoule de test s'éteint et s'allume aussi, c'est le fil d'alimentation.  
Si elle ne s'éteint pas quand vous mettez la clé de contact en position d'arrêt, c'est le fil de batterie (voir ci-dessus).

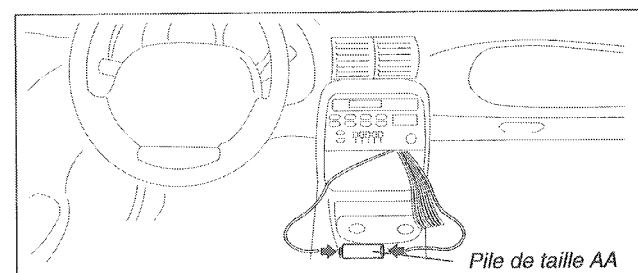
■ Si votre voiture ne possède pas de câblage pour système audio:

- Trouvez la prise fusible prévue pour la radio (RADIO) ou pour les accessoires (ACC) (marquée habituellement BAT) dans la boîte à fusibles.

### ③ Fils d'enceintes

Trouvez deux fils d'enceinte pour chaque enceinte en utilisant la pile AA de la façon suivante.

- 1 Mettez la clé de contact en position d'arrêt (OFF).
- 2 Touchez une des bornes de la pile (+ ou -) avec un des deux fils.
- 3 Touchez l'autre borne de la pile avec le deuxième fil.  
Vous entendrez des grésillements dans une enceinte et cela vous permettra de trouver les combinaisons correctes des fils d'enceinte.
- 4 Répétez les étapes 1 et 2 jusqu'à ce que vous ayez trouvé toutes les combinaisons de fils de toutes les enceintes.



### ④ Fil d'antenne automatique

Si votre voiture est équipée d'une antenne électrique automatique, trouvez le fil correspondant.

- 1 Mettez la clé de contact sur la position accessoire (ACC).
- 2 Connectez un des fils de l'ampoule de test au fil de batterie (①) que vous avez trouvé.
- 3 Avec l'autre fil de l'ampoule de test, touchez chaque fil de la voiture.
  - Touchez un fil à la fois jusqu'à ce que vous ayez trouvé celui qui provoque le déploiement de l'antenne. C'est le fil d'antenne automatique.

### ⑤ Fil d'antenne

C'est un câble noir épais avec une fiche métallique. Elle peut être identifiée facilement par sa forme. (Reportez-vous à "A Connexions typiques" dans le manuel d'installation/connexion.)

JVC

# Having TROUBLE with operation? Please check this Troubleshooting Guide. Still having trouble??

USA ONLY

Call 1-800-252-5722

<http://www.jvc.com>

We can help you!

Since the descriptions in this troubleshooting guide have been designated to be applied to JVC's standard CD Receiver, some of the functions and operations described may not be applied exactly to your receiver.

If they cannot be applied exactly, refer also to the Instructions and Installation/Connection manual supplied with your receiver for details on the actual functions and operations, and cope with your troubles properly.

## TROUBLESHOOTING GUIDE For CD Receiver

### Troubleshooting for CD Receiver

SYMPTOMS	CAUSES	REMEDIES
The unit does not turn on.	The power cords are not connected correctly.	Check if the connection is correctly finished, by referring to the Installation/Connection manual.
		Check if the original wiring in the car has been correctly finished, especially on the following terminal connections — Constant 12 volts, ACC (accessory), ground.
	A fuse has blown (in the unit or in the fuse block of the car).	Check if the connection and the original wiring in the car are correct, then replace the fuse. <i>If the fuse blows frequently, consult with your JVC car audio dealer.</i>
	The ground cable is not correctly earthed.	Check if the ground cable connection is correct and intact, by using a tester or other measuring devices. <i>If the ground cable is connected to a painted metallic part, sand off the paint from or connect to an unpainted metallic part.</i>
	Wiring is short-circuited.	Check if each cable is not cut or caught in the bracket or shorted by some other metallic parts.
	The car battery is exhausted. (The voltage power is less than 11 volts.)	Have the car battery and electrical system checked so that a proper output voltage (11 to 16 volts) is obtained. <b>CAUTION: NEVER use a 24-volt battery.</b>
	The microcomputer built in this unit malfunctions due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
Others.		The unit is damaged. <i>Consult with your JVC car audio dealer.</i>

SYMPTOMS	CAUSES	REMEDIES
No sound comes out of the speakers.	The speaker wiring is not correctly finished.	Check if the speaker wiring is correctly finished, by referring to the Installation/Connection manual.
	Speaker cables are short-circuited.	Check if each cable is not cut or caught in the bracket or shorted by some other metallic parts. <i>To prevent any short-circuit, cover the ends of any unused cable with insulating tape.</i>
	Original speaker wiring in the car has a common ground for both left and right speakers or speaker wiring is earthed to the metallic body or chassis of the car.	Do not use the original speaker wiring in the car. Redo the speaker wiring by referring to the Installation/Connection manual.
	Speaker cable connection or soldering is not intact.	Check if the speaker cable connection is correct and intact, by using a tester or other measuring devices.
	Volume is set to the minimum level.	Adjust the volume to the optimum level. <i>If this does not work, check and adjust the fader and balance settings.</i>
	Power amplifier built in this unit has been deactivated.	Activate the built-in power amplifier by turning on the power amplifier on/off switch. <i>Refer to the Instructions manual.</i>
	<b>When using an external power amplifier:</b> The remote cable is not connected correctly.	Check if the remote cable connection is correct and intact, by using a tester or other measuring devices.
	The microcomputer built in this unit malfunctions due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
Others.		The unit is damaged. <i>Consult with your JVC car audio dealer.</i>

SYMPTOMS	CAUSES	REMEDIES
CD sound is sometimes interrupted.	Used while driving on rough roads. (The unit is subjected to extreme shock.)	Check if the unit can play back a CD normally on a flat road.
	CD is scratched.	Check if the unit can play back another CD normally. <i>If CD sound is not interrupted while playing back another CD, there is nothing wrong with this unit.</i>
	CD is stained by fingerprints, grease, etc.	Clean CD with a commercially available cleaner.
	Pickup lens inside the unit is stained.	Clean the lens by using a commercially available pickup lens cleaner. <b>CAUTION: NEVER use a cleaner with a detachable brush.</b>
	Interference from the cellular phone.	Keep the phone away from the unit.
	The microcomputer built in this unit malfunctions due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
	Others.	The unit is damaged. <i>Consult with your JVC car audio dealer.</i>

SYMPTOMS	CAUSES	REMEDIES
The unit does not operate at all.	Detachable control panel connection is not intact.	Clean the connectors on both detachable control panel and on the main unit, by referring to the Instructions manual.
	The microcomputer built in this unit malfunctions due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
	Others.	The unit is damaged. <i>Consult with your JVC car audio dealer.</i>

SYMPTOMS	CAUSES	REMEDIES
CD is ejected and cannot be played.	CD is inserted upside down.	Insert the CD correctly with the printed surface facing up.
	CD is scratched.	Check if the unit can play back another CD normally. <i>If the unit can play back another CD normally, there is nothing wrong with this unit.</i>
	CD is stained by fingerprints, grease, etc.	Clean CD with a commercially available cleaner.
	Pickup lens inside the unit is stained.	Clean the lens by using a commercially available pickup lens cleaner. <b>CAUTION: NEVER use a cleaner with a detachable brush.</b>
	Moisture may condense on the pickup lens inside the unit.	Eject the CD and leave the unit turned on for a few hours until the moisture evaporates.
	The microcomputer built in this unit malfunctions due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
	Others.	The unit is damaged. <i>Consult with your JVC car audio dealer.</i>

SYMPTOMS	CAUSES	REMEDIES
No station can be tuned.	No station uses the tuned frequency.	Tune into the correct station frequency.
	Antenna connection is not correct or intact.	Check if the connection is correct and intact.
	Antenna plug from the car does not fit into the unit.	Use an antenna adaptor. <i>Consult with your JVC car audio dealer with regard to an antenna adaptor.</i>
	Power antenna cannot be extended automatically.	Check if the remote cable connection is correct and intact, by using a tester or other measuring devices.
	Antenna booster is not switched on.	Check if the remote cable is correctly connected to the antenna booster.
	Remote cable is overloaded with a high electric current.	The remote cable can be loaded with up to 200 mA. The device requiring more than 200 mA (i.e. power supply of an external amplifier) should not be connected. <i>When connecting such a device requiring a high electric current, consult with your JVC car audio dealer.</i>
	The microcomputer built in this unit malfunctions due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
	Others.	The unit is damaged. <i>Consult with your JVC car audio dealer.</i>

SYMPTOMS	CAUSES	REMEDIES
CD-R cannot be played back.	Recording format of the CD-R cannot be treated on this unit.	<i>Consult with the application company from which you purchased the CD-R recording software.</i>
	CD-R, disc itself, cannot be treated on this unit.	<i>Consult with the company making the discs you purchased.</i>

SYMPTOMS	CAUSES	REMEDIES
CD cannot be inserted.	Another CD has already been in the CD compartment.	Eject the CD already inserted, then insert a CD.
	CD player malfunctions.	Press and hold the POWER and EJECT buttons at the same time for more than 2 seconds.
	The microcomputer built in this unit malfunctions due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
	Others.	The unit is damaged. <i>Consult with your JVC car audio dealer.</i>

SYMPTOMS	CAUSES	REMEDIES
CD changer does not work at all.	The unit is not connected to the CD changer correctly. (When this is the cause, "R 8" or "RESET 8" appears on the display.)	Connect the unit and the CD changer correctly and press the reset button of the CD changer.
	No power is supplied to the CD changer.	Check if the short pin or power cord is connected correctly to the CD changer.
	Ejection mechanism error. (When this is the cause, "R 1" or "RESET 1" appears on the display.)	Press the reset button of the CD changer.
	Lifter (disc up/down) motor mechanism error. (When this is the cause, "R 2" or "RESET 2" appears on the display.)	Press the reset button of the CD changer.
	Tray (out/in) motor mechanism error. (When this is the cause, "R 3" or "RESET 3" appears on the display.)	Press the reset button of the CD changer.
	Pickup mechanism error (not return to the reset position when ejecting CD). (When this is the cause, "R 4" or "RESET 4" appears on the display.)	Press the reset button of the CD changer.
	Bus protocol error (signal transmission error). (When this is the cause, "R 6" or "RESET 6" appears on the display.)	Press the reset button of the CD changer.
	The microcomputer built in this unit malfunctions due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
	Others.	The unit is damaged. <i>Consult with your JVC car audio dealer.</i>

SYMPTOMS	CAUSES	REMEDIES
CD cannot be ejected.	CD ejection is prohibited.	Press and hold the CD and EJECT buttons at the same time for more than 2 seconds.
	CD player malfunctions.	Press and hold the POWER and EJECT buttons at the same time for more than 2 seconds.
	The microcomputer built in this unit is not functioning correctly due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
	Others.	The unit is damaged. <i>Consult with your JVC car audio dealer.</i>



ENGLISH

BEFORE ELECTRICAL CONNECTIONS

The first and most important step in installation is to identify the wires inside the car you need to use.  
If you are not sure what wires are used for what purposes inside the car, read this sheet carefully.

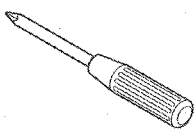
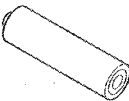
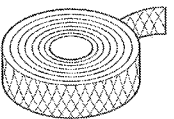
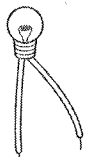

What Leads Are inside the Car?

You need to identify the following leads used in the car (after removing an existing audio receiver or radio, if any, from your car).

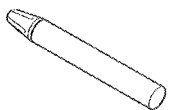
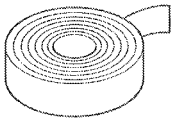
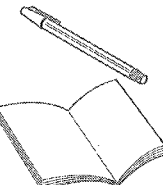
Leads inside the car	Function (and where to connect on the receiver)
① <b>Battery lead</b>	Supplies a continuous power to your receiver even when the ignition key is turned off. This lead provides a continuous power to maintaining the clock and internal memory in the receiver. – Connect this lead to the yellow wire of the receiver.
② <b>Power lead</b>	Supplies power to your receiver when the ignition key is turned to the accessory position (ACC) or to the on position (ON). – Connect this lead to the red wire of the receiver.
③ <b>Speaker leads</b>	Connects to the speakers inside the car. – Connect these leads to the corresponding speaker wires of the receiver.
④ <b>Automatic antenna lead</b>	Supplies power to automatic power antenna if any. – If receiver has the blue-with-white-stripe wire, connect this lead to it.
⑤ <b>Antenna lead</b>	Connects to the car antenna. – Connect to the antenna input terminal of the receiver.

Required Tools

- Tools you must prepare:

		
Screwdriver	Size AA battery	Insulating tape
		
12V DC test bulb	Side-cut pliers	

- Tools you had better prepare:

		
Permanent maker	Masking tape	Writing implements

As you identify each lead, you can label it using masking tape and a permanent marker, and can note the colors of the leads used in the car.  
This will help avoid confusion when making connections later.

- For identifying method by using the above tools, see the reverse side.

ESPAÑOL

ANTES DE LAS CONEXIONES ELECTRICAS

El primer paso de la instalación y el más importante, es identificar cuáles son los cables del automóvil que se deben utilizar.  
Si tiene dudas acerca de los cables que se deben utilizar para cada propósito, lea esta hoja atentamente.

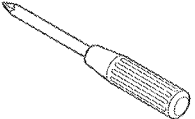
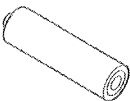
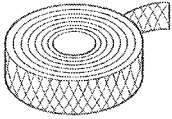
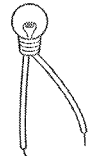

¿Qué conductores hay dentro del automóvil?

Es necesario que sepa identificar los siguientes conductores de su automóvil (tras desmontar el receptor de audio o la radio de su automóvil, si equiparse).


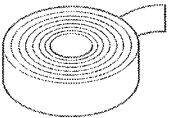
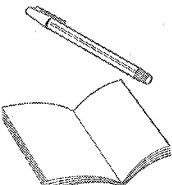
Conductores del interior del automóvil	Función (y punto de conexión en el receptor)
① <b>Conductor de la batería</b>	Suministra continuamente energía a su receptor incluso con el encendido desconectado. Este conductor suministra energía de manera continua para alimentar al reloj y a la memoria interna del receptor. – Conecte este conductor con el cable amarillo del receptor.
② <b>Conductor de alimentación</b>	Suministra energía a su receptor con la llave de contacto en la posición de accesorios (ACC) o en la posición de conexión (ON). – Conecte este conductor con el cable rojo del receptor.
③ <b>Conductores de los altavoces</b>	Efectúan la conexión con los altavoces del automóvil. – Conecte estos conductores con los correspondientes cables de altavoz del receptor.
④ <b>Conductor de antena automática</b>	Suministra energía a la antena motriz automática, si hubiere. – Si el receptor tiene cable azul con rayas blancas, conéctele este conductor.
⑤ <b>Conductor de antena</b>	Conecta con la antena del automóvil. – Conecte este conductor con el terminal de entrada de antena del receptor.

Herramientas requeridas

- Herramientas que debe preparar:

		
Destornillador	Pila de tamaño AA	Cinta aislante
		
Bombilla de prueba de 12V CC	Alicates de corte lateral	

- Herramientas recomendadas:

		
Rotulador	Cinta enmascarante	Utiles para escribir

A medida que vaya identificando cada conductor, podrá ponerle una etiqueta utilizando cinta enmascarante y rotulador, y anotar los colores de los conductores empleados en su automóvil.  
Esto le ayudará a evitar confusiones a la hora de realizar las conexiones.

- Con respecto al método de identificación utilizando las herramientas de arriba, véase al dorso.

FRANÇAIS

AVANT LES CONNEXIONS ÉLECTRIQUES

La première et plus importante étape de l'installation est l'identification des fils de la voiture que vous devez utiliser.  
Si vous ne savez pas quelle est l'utilisation de chaque fil, lisez cette feuille attentivement.

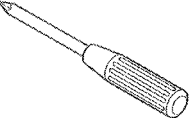
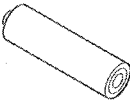
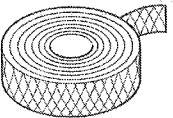
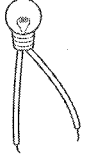
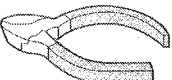
Quels sont les fils de votre voiture?

Vous devez identifier les fils suivants dans votre voiture (après avoir en avoir retiré l'actuel et éventuel autoradio).


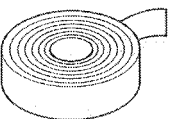
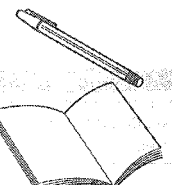
Fils à l'intérieur de la voiture	Fonction (et où connecter ces fils sur l'autoradio)
① <b>Fil de batterie</b>	Alimente en courant continu votre autoradio même quand le contact est coupé. Ce fil offre une alimentation continue qui permet de protéger l'horloge et la mémoire interne de l'autoradio. – Connectez ce fil au fil jaune de l'autoradio.
② <b>Fil d'alimentation</b>	Alimente votre autoradio quand la clé de contact est mise sur la position accessoire (ACC) ou sur la position marche (ON). – Connectez ce fil au fil rouge de l'autoradio.
③ <b>Fils d'enceintes</b>	Connectent les enceintes intérieures de la voiture. – Connectez ces fils aux fils correspondants sur l'autoradio.
④ <b>Fil d'antenne automatique</b>	Alimente l'antenne automatique s'il y en a une. – Si l'autoradio possède un fil bleu à bandes blanches, connectez-y ce fil.
⑤ <b>Fil d'antenne</b>	Connecte l'antenne de la voiture. – Connectez ce fil à la prise d'entrée d'antenne de l'autoradio.

Outils nécessaires

- Outils à préparer:

		
Tournevis	Pile de taille AA	Ruban isolant
		
Ampoule de test 12V CC	Pinces coupantes sur côté	

- Outils dont vous pouvez avoir besoin

		
Marqueur indélébile	Cache ruban	De quoi écrire

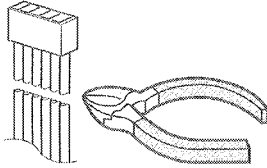
Au fur et à mesure que vous identifiez chaque fil, vous pouvez les étiqueter en utilisant le cache ruban et un marqueur indélébile et noter les couleurs des fils utilisés dans la voiture.  
Cela vous aidera à ne pas vous tromper lorsque vous ferez les connexions plus tard.

- Pour la méthode d'identification en utilisant les outils ci-dessus, reportez-vous au verso de cette feuille.

How to Identify the Leads inside the Car

Before start, make sure ....

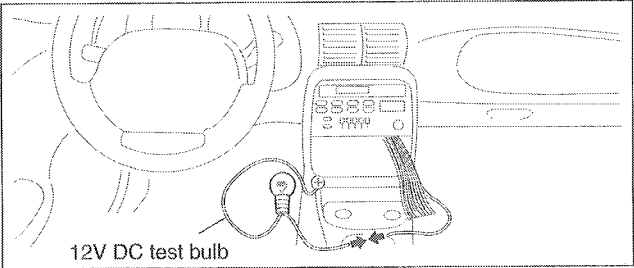
- Check the speaker wiring inside the car first. If speaker wiring is not appropriate (see “PRECAUTION on power supply and speaker connection” on the Installation/ Connection Manual), first redo the speaker wiring inside the car.
- Pay much attention to avoid short-circuits. Insulate all exposed leads until you use them. Do not allow any exposed wire not in use to touch the metallic part or chassis of the car, and other exposed wires.
- If necessary, cut off the connector plug from leads coming from the car’s battery (leaving the leads as long as possible) so that you can work with individual wires.



① Battery lead

■ If your car is pre-wired for the audio system:

- 1 Turn the ignition key to the off position (OFF).
- 2 Connect one lead of the test bulb to the metallic part or chassis of the car.
- 3 Touch the other lead of the test bulb to each wire inside the car.
  - Touch one wire at a time until you find a wire causing the test bulb to light. This wire is the battery lead.



■ If your car is NOT pre-wired for the audio system:

Find the fuse port preparing for a continuous power supply from the battery (usually marked BAT).

② Power lead

■ If your car is pre-wired for the audio system:

- 1 Turn the ignition key to the accessory position (ACC).
- 2 Connect one lead of the test bulb to the metallic part or chassis of the car.
- 3 Touch the other lead of the test bulb to each wire inside the car.
  - Touch one wire at a time until you find a wire causing the test bulb to light.
- 4 If you find one, turn the ignition key off then on. If the test bulb also turns off and on, it is the power lead. If it does not turn off though you turn off the ignition key, it is the battery lead (see above).

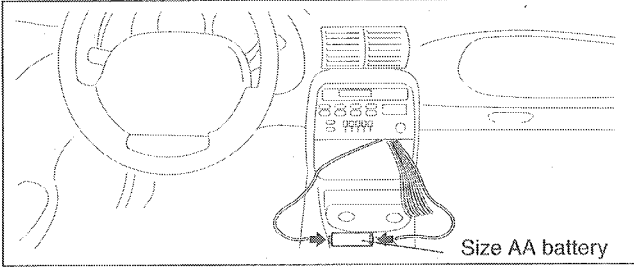
■ If your car is NOT pre-wired for the audio system:

Find the fuse port preparing for a radio (RADIO) or an accessory (ACC) in the fuse block.

③ Speaker leads

Find two wires for each speaker by using a size AA battery as follows.

- 1 Turn the ignition key to the off position (OFF).
- 2 Touch one wire inside the car to one pole (+) or (-) of the battery.
- 3 Touch another wire to the other of the battery. If you hear a scraping noise from a speaker, you find a correct combination of the speaker leads for the speaker.
- 4 Repeat steps 1 and 2 until you find all combinations of speaker leads for the other speakers.



④ Automatic antenna lead

If your car is equipped with an automatic power antenna, find the automatic antenna lead.

- 1 Turn the ignition key to the accessory position (ACC).
- 2 Connect one lead of the test bulb to the battery lead (①) you have found.
- 3 Touch the other lead of the test bulb to each wire inside the car.
  - Touch one wire at a time until you find a wire causing the automatic power antenna to extend. This wire is the automatic antenna lead.

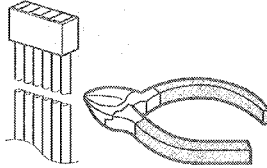
⑤ Antenna lead

This is a thick, black wire with a metal plug. Easily identified by its appearance. (See “A Typical Connections” on the Installation/ Connection Manual.)

Cómo identificar los conductores empleados en el automóvil

Antes de comenzar, asegúrese de ....

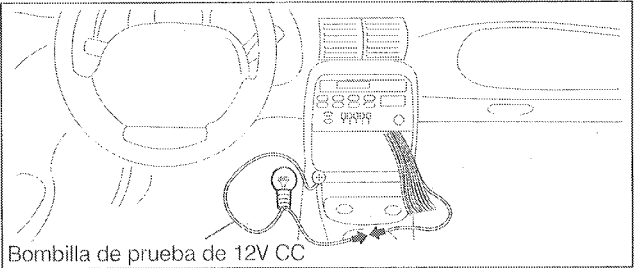
- Comprobar primero el cableado de los altavoces del automóvil. Si el cableado de los altavoces no es apropiado (consulte “PRECAUCIONES sobre la fuente de alimentación y la conexión de los altavoces” en el manual de instalación/ conexión), primero deberá rehacer el cableado de los altavoces del interior del automóvil.
- Prestar suma atención para evitar cortocircuitos. Asegurarse de aislar todos los conductores al descubierto hasta el momento de utilizarlos. Ningún cable al descubierto sin utilizar deberá estar en contacto con alguna parte metálica o el chasis del automóvil o con otros cables al descubierto.
- Si es necesario, cortar la clavija de conexión y separarla de los conductores procedentes de la batería del automóvil (dejando los conductores lo más largo posible) de manera que pueda trabajar individualmente con cada cable.



① Conductor de la batería

■ Si su automóvil está precableado para el sistema de audio:

- 1 Gire la llave de contacto a la posición de desconexión (OFF).
- 2 Conecte un conductor de la bombilla de prueba con la parte metálica o el chasis del automóvil.
- 3 Con el otro conductor de la bombilla de prueba toque uno por uno los cables del interior del automóvil.
  - Toque los cables de a uno hasta encontrar el que haga iluminar la bombilla de prueba. Este cable es el conductor de la batería.



■ Si su automóvil NO está precableado para el sistema de audio:

Localice el puerto de fusible y prepárelo para suministrar continuamente energía desde la batería (normalmente marcado BAT).

② Conductor de alimentación

■ Si su automóvil está precableado para el sistema de audio:

- 1 Gire la llave de contacto a la posición de accesorios (ACC).
- 2 Conecte un conductor de la bombilla de prueba con la parte metálica o el chasis del automóvil.
- 3 Con el otro conductor de la bombilla de prueba toque uno por uno los cables del interior del automóvil.
  - Toque los cables de a uno hasta encontrar el que haga iluminar la bombilla de prueba.
- 4 Si lo encuentra, desconecte y vuelva a conectar la llave de contacto. Si la bombilla de prueba también se apaga y se enciende, significa que es el conductor de alimentación. Si la bombilla no se apaga al desconectar la llave de contacto, significa que se trata del conductor de la batería (véase arriba).

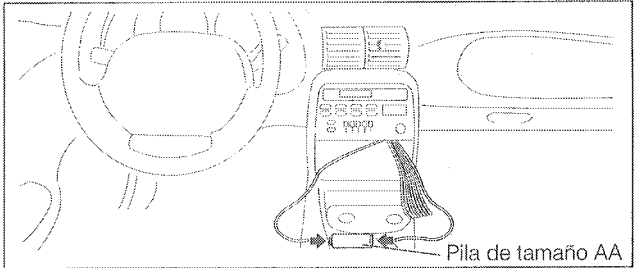
■ Si su automóvil NO está precableado para el sistema de audio:

Localice el puerto de fusible y prepárelo para la radio (RADIO) o un accesorio (ACC) en el bloque de fusibles.

③ Conductores de los altavoces

Utilizando una pila de tamaño AA, localice dos cables para cada altavoz, de la siguiente manera.

- 1 Gire la llave de contacto a la posición de desconexión (OFF).
- 2 Toque un polo (+) o (-) de la pila con uno de los cables del interior del automóvil.
- 3 Toque el otro polo de la pila con otro cable. Si el altavoz produce rechinar, significa que ha encontrado la combinación correcta de conductores para el altavoz.
- 4 Repita los pasos 1 y 2 hasta encontrar todas las combinaciones de conductores para los demás altavoces.



④ Conductor de antena automática

Si su automóvil se encuentra equipado con una antena motriz automática, localice el conductor de la antena automática.

- 1 Gire la llave de contacto a la posición de accesorios (ACC).
- 2 Conecte un conductor de la bombilla de prueba con el conductor de batería (①) localizada previamente.
- 3 Toque cada uno de los cables del interior del automóvil con el otro conductor de la bombilla de prueba.
  - Toque los cables de a uno hasta encontrar el que haga extender la antena motriz automática. Este cable es el conductor de antena automática.

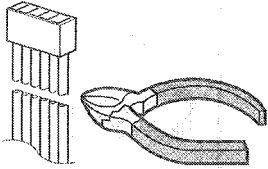
⑤ Conductor de antena

Este es un cable grueso y negro con clavija de metal. Se identifica fácilmente por su apariencia. (Consulte “A Conexiones típicas” en el manual de instalación/conexión.)

Comment identifier les fils de votre voiture

Avant de commencer, veuillez vous assurer des choses suivantes ....

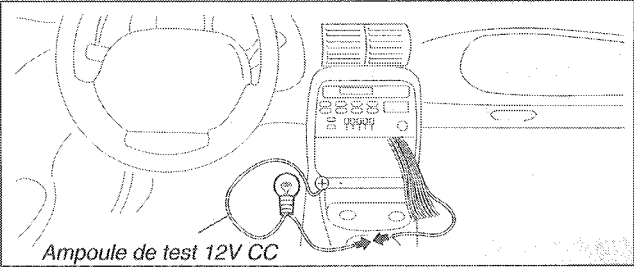
- Vérifiez d’abord le câblage des enceintes de la voiture. Si le câblage des enceintes n’est pas correct (voir “PRÉCAUTIONS sur l’alimentation et la connexion des enceintes” dans le manuel d’installation/connexion), refaites d’abord le câblage des enceintes de la voiture.
- Faites attention d’éviter les courts-circuits. Isolez tous les fils à nu jusqu’à ce que vous les utilisiez. Ne laissez aucun fil à nu inutilisé toucher la partie métallique ou le châssis de la voiture ni les autres fils à nu.
- Si nécessaire, coupez la fiche de connexion des fils provenant de la batterie de la voiture (laissez les fils aussi longs que possible) de façon à pouvoir travailler sur un fil particulier.



① Fil de batterie

■ Si votre voiture possède déjà un câblage pour système audio:

- 1 Mettez la clé de contact sur la position d’arrêt (OFF).
- 2 Connectez un fil de l’ampoule de test à une partie métallique ou au châssis de la voiture.
- 3 Avec l’autre fil de l’ampoule de test, touchez chaque fil de la voiture.
  - Touchez un fil à la fois jusqu’à ce que vous ayez trouvé celui qui allume l’ampoule de test. Ce fil est le fil de batterie.



■ Si votre voiture ne possède pas de câblage pour système audio:

Trouvez la prise fusible prévue pour une alimentation continue à partir de la batterie (marquée habituellement BAT).

② Fil d’alimentation

■ Si votre voiture possède déjà un câblage pour système audio:

- 1 Mettez la clé de contact sur la position accessoire (ACC).
- 2 Connectez un fil de l’ampoule de test à une partie métallique ou au châssis de la voiture.
- 3 Avec l’autre fil de l’ampoule de test, touchez chaque fil de la voiture.
  - Touchez un fil à la fois jusqu’à ce que vous ayez trouvé celui qui allume l’ampoule de test. Ce fil est le fil de batterie.
- 4 Une fois que vous avez trouvé un fil, tournez la clé de contact sur la position d’arrêt (OFF) puis de nouveau en position accessoire. Si l’ampoule de test s’éteint et s’allume aussi, c’est le fil d’alimentation. Si elle ne s’éteint pas quand vous mettez la clé de contact en position d’arrêt, c’est le fil de batterie (voir ci-dessus).

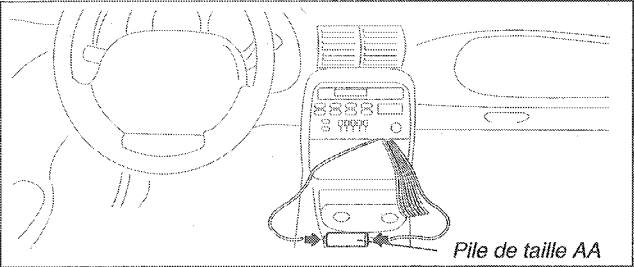
■ Si votre voiture ne possède pas de câblage pour système audio:

Trouvez la prise fusible prévue pour la radio (RADIO) ou pour les accessoires (ACC) (marquée habituellement BAT) dans la boîte à fusibles.

③ Fils d’enceintes

Trouvez deux fils d’enceinte pour chaque enceinte en utilisant la pile AA de la façon suivante.

- 1 Mettez la clé de contact en position d’arrêt (OFF).
- 2 Touchez une des bornes de la pile (+) ou (-) avec un des deux fils.
- 3 Touchez l’autre borne de la pile avec le deuxième fil. Vous entendrez des grésillements dans une enceinte et cela vous permettra de trouver les combinaisons correctes des fils d’enceinte.
- 4 Répétez les étapes 1 et 2 jusqu’à ce que vous ayez trouvé toutes les combinaisons de fils de toutes les enceintes.



④ Fil d’antenne automatique

Si votre voiture est équipée d’une antenne électrique automatique, trouvez le fil correspondant.

- 1 Mettez la clé de contact sur la position accessoire (ACC).
- 2 Connectez un des fils de l’ampoule de test au fil de batterie (①) que vous avez trouvé.
- 3 Avec l’autre fil de l’ampoule de test, touchez chaque fil de la voiture.
  - Touchez un fil à la fois jusqu’à ce que vous ayez trouvé celui qui provoque le déploiement de l’antenne. C’est le fil d’antenne automatique.

⑤ Fil d’antenne

C’est un câble noir épais avec une fiche métallique. Elle peut être identifiée facilement par sa forme. (Reportez-vous à “A Connexions typiques” dans le manuel d’installation/connexion.)

# JVC

Having TROUBLE with operation?  
Please check this  
Troubleshooting Guide.  
Still having trouble??

USA ONLY

Call 1-800-252-5722

<http://www.jvc.com>

We can help you!

Since the descriptions in this troubleshooting guide have been designated to be applied to JVC's standard Cassette Receiver, some of the functions and operations described may not be applied exactly to your receiver. If they cannot be applied exactly, refer also to the Instructions and Installation/Connection manual supplied with your receiver for details on the actual functions and operations, and cope with your troubles properly.

**JVC**  
VICTOR COMPANY OF JAPAN, LIMITED

## TROUBLESHOOTING GUIDE For Cassette Receiver

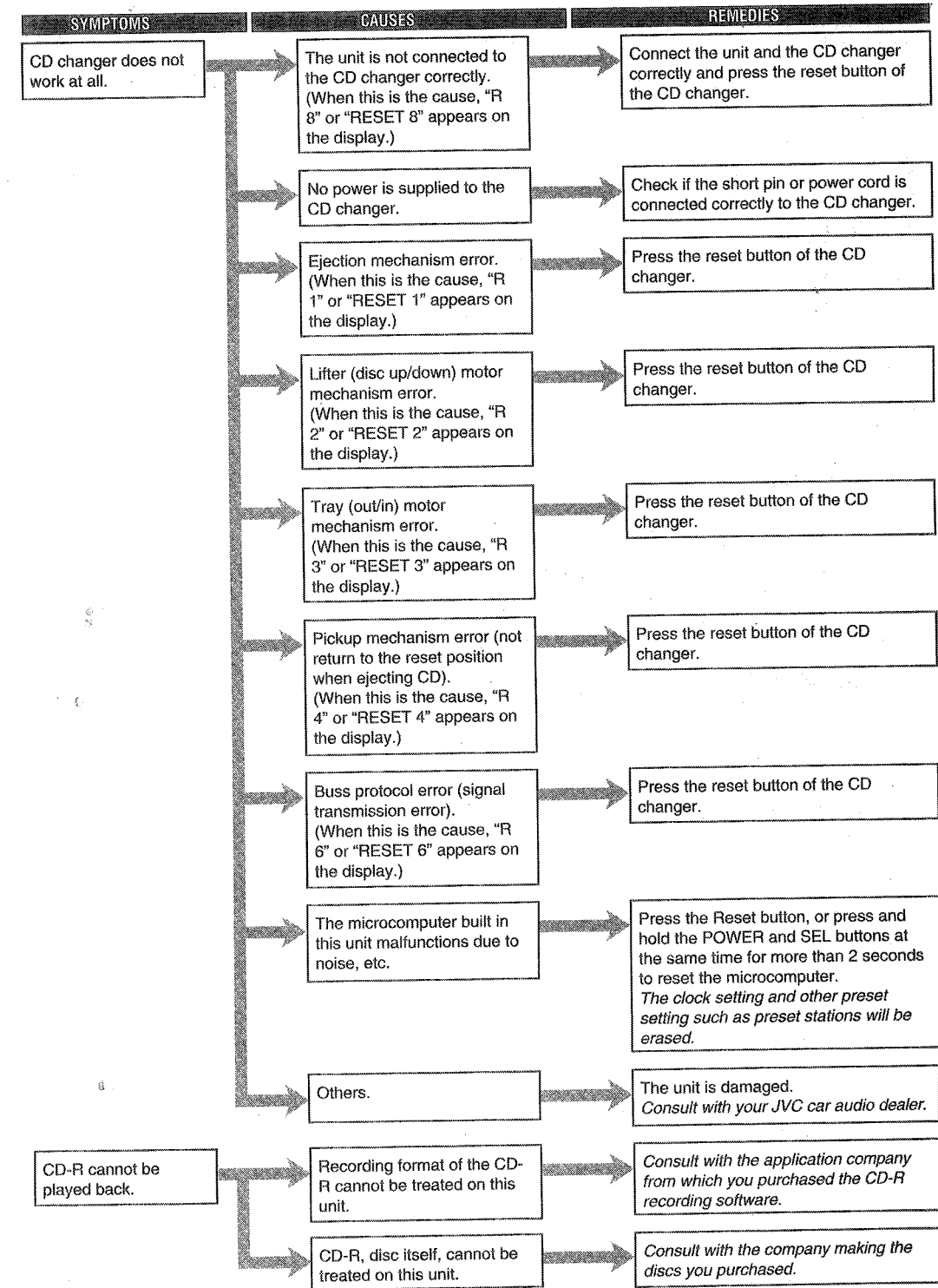
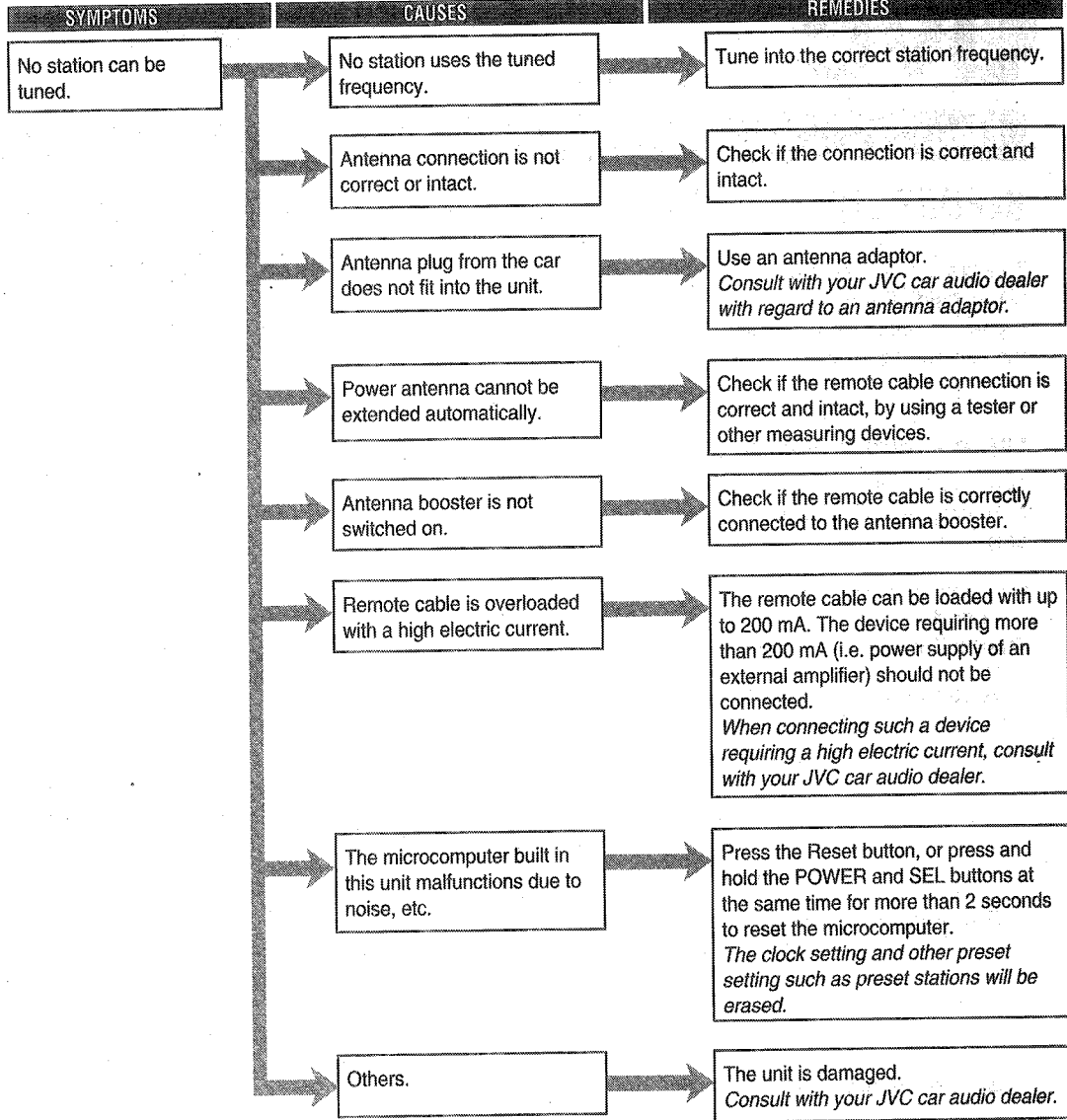
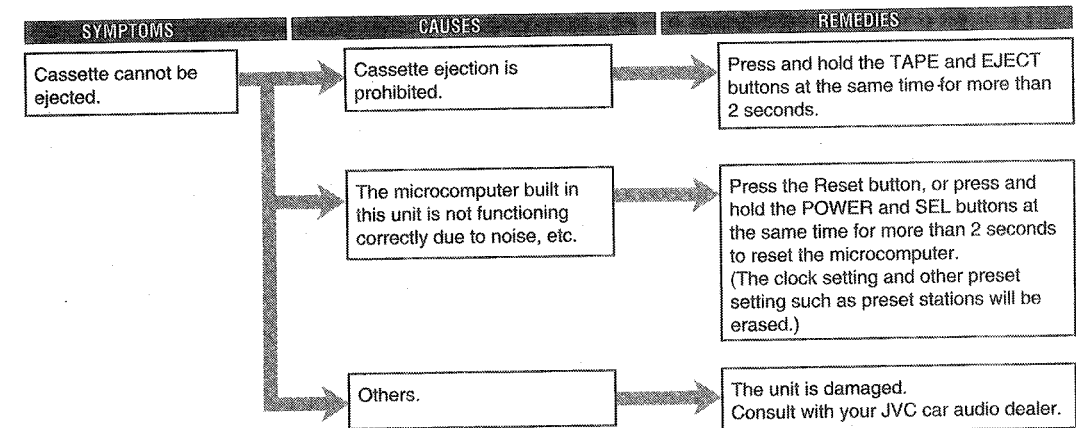
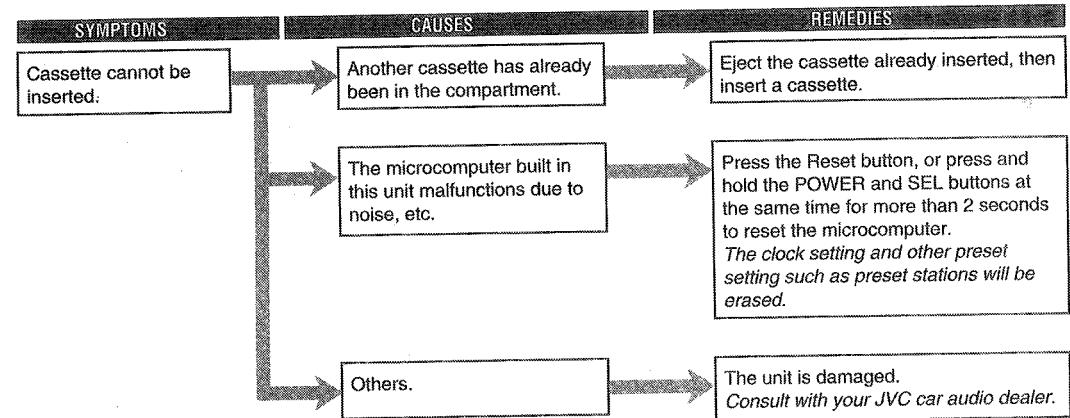
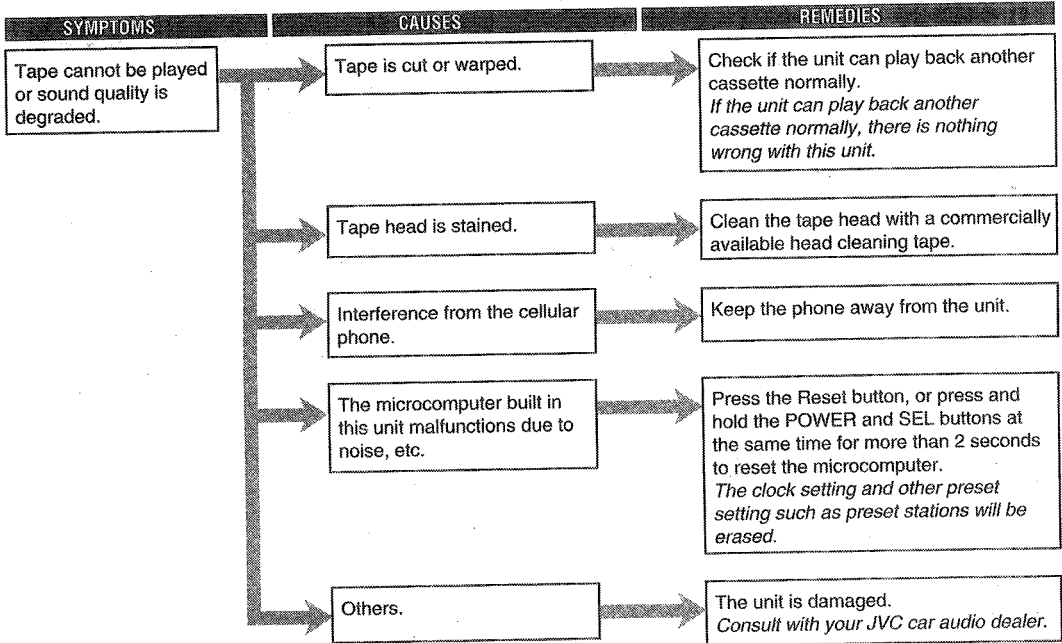
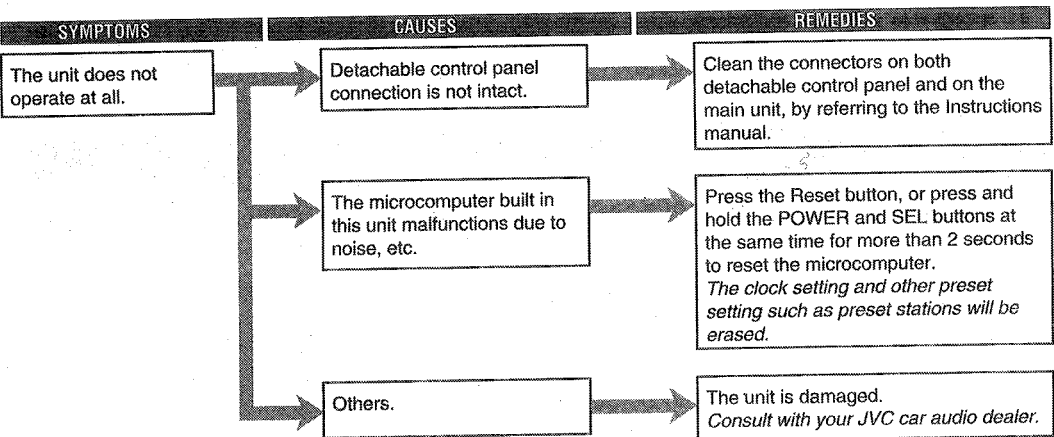
EN

### Troubleshooting for Cassette Receiver

SYMPTOMS	CAUSES	REMEDIES
The unit does not turn on.	The power cords are not connected correctly.	Check if the connection is correctly finished, by referring to the Installation/Connection manual.
	A fuse has blown (in the unit or in the fuse block of the car).	Check if the connection and the original wiring in the car are correct, then replace the fuse. <i>If the fuse blows frequently, consult with your JVC car audio dealer.</i>
	The ground cable is not correctly earthed.	Check if the ground cable connection is correct and intact, by using a tester or other measuring devices. <i>If the ground cable is connected to a painted metallic part, sand off the paint from or connect to an unpainted metallic part.</i>
	Wiring is short-circuited.	Check if each cable is not cut or caught in the bracket or shorted by some other metallic parts.
	The car battery is exhausted. (The voltage power is less than 11 volts.)	Have the car battery and electrical system checked so that a proper output voltage (11 to 16 volts) is obtained. <b>CAUTION: NEVER use a 24-volt battery.</b>
	The microcomputer built in this unit malfunctions due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
	Others.	The unit is damaged. <i>Consult with your JVC car audio dealer.</i>

SYMPTOMS	CAUSES	REMEDIES
No sound comes out of the speakers.	The speaker wiring is not correctly finished.	Check if the speaker wiring is correctly finished, by referring to the Installation/Connection manual.
	Speaker cables are short-circuited.	Check if each cable is not cut or caught in the bracket or shorted by some other metallic parts. <i>To prevent any short-circuit, cover the ends of any unused cable with insulating tape.</i>
	Original speaker wiring in the car has a common ground for both left and right speakers or speaker wiring is earthed to the metallic body or chassis of the car.	Do not use the original speaker wiring in the car. Redo the speaker wiring by referring to the Installation/Connection manual.
	Speaker cable connection or soldering is not intact.	Check if the speaker cable connection is correct and intact, by using a tester or other measuring devices.
	Volume is set to the minimum level.	Adjust the volume to the optimum level. <i>If this does not work, check and adjust the fader and balance settings.</i>
	Power amplifier built in this unit has been deactivated.	Activate the built-in power amplifier by turning on the power amplifier on/off switch. <i>Refer to the Instructions manual.</i>
	When using an external power amplifier: The remote cable is not connected correctly.	Check if the remote cable connection is correct and intact, by using a tester or other measuring devices.
	The microcomputer built in this unit malfunctions due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
	Others.	The unit is damaged. <i>Consult with your JVC car audio dealer.</i>





# Authorized Service Centers

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QUALITY **JVC**<sup>®</sup> SERVICE

*HOW TO LOCATE YOUR JVC SERVICE CENTER*

**TOLL FREE: 1 (800) 537-5722**

**<http://www.jvc.com>**

Dear Customer,

In order to receive the most satisfaction from your purchase, please read the instruction booklet before operating the unit. In the event that repairs are necessary, please call 1 (800)537-5722 for your nearest authorized servicer or visit our website at **[www.JVC.com](http://www.JVC.com)**

Remember to retain your Bill of Sale for Warranty Service.

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**Do not service the television yourself**

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## **Caution**

To prevent electrical shock, do not open the cabinet. There are no user serviceable parts inside. Please refer to qualified service personnel for repairs.

## **Accessories**

To purchase accessories for your JVC product, please call toll free: 1 (800)882-2345 or on the web at **[www.JVC.com](http://www.JVC.com)**

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## LIMITED WARRANTY

AUDIO-1 **USA ONLY**

**ONLY FOR PRODUCT PURCHASED IN U.S.A.**

JVC COMPANY OF AMERICA warrants this product and all parts thereof, except as set forth below **ONLY TO THE ORIGINAL PURCHASER AT RETAIL** to be **FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIP** from the date of original retail purchase for the period as shown below. ("The Warranty Period")

PARTS	1 YR	LABOR	1 YR
-------	------	-------	------

THIS LIMITED WARRANTY IS VALID ONLY IN THE FIFTY (50) UNITED STATES, THE DISTRICT OF COLUMBIA AND IN COMMONWEALTH OF PUERTO RICO.

### WHAT WE WILL DO:

If this product is found to be defective, JVC will repair or replace defective parts at no charge to the original owner. Such repair and replacement services shall be rendered by JVC during normal business hours at JVC authorized service centers. Parts used for replacement are warranted only for the remainder of the Warranty Period. All products and parts thereof may be brought to a JVC authorized service center on a carry-in basis except for Television sets having a screen size 25 inches and above which are covered on an in-home basis.

### WHAT YOU MUST DO FOR WARRANTY SERVICE:

Return your product to a JVC authorized service center with a copy of your bill of sale. For your nearest JVC authorized service center, please call toll-free: (800) 537-5722.

If service is not available locally, box the product carefully, preferably in the original carton, and ship, insured, with a copy of your bill of sale plus a letter of explanation of the problem to the nearest JVC Factory Service Center, the name and location of which will be given to you by the toll-free number.

If you have any questions concerning your JVC Product, please contact our Customer Relations Department.

### WHAT IS NOT COVERED:

This limited warranty provided by JVC does not cover:

1. Products which have been subject to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, or if repaired or serviced by anyone other than a service facility authorized by JVC to render such service, or if affixed to any attachment not provided with the products, or if the model number or serial number has been altered, tampered with, defaced or removed;
2. Initial installation and installation and removal for repair;
3. Operational adjustments covered in the Owner's Manual, normal maintenance, video and audio head cleaning;
4. Damage that occurs in shipment, due to act of God, and cosmetic damage;
5. Signal reception problems and failures due to line power surge;
6. Video Pick-up Tubes/CCD Image Sensor, Cartridge, Stylus (Needle) are covered for 90 days from the date of purchase;
7. Batteries (except that Rechargeable Batteries are covered for 90 days from the date of purchase);

There are no express warranties except as listed above.

THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN.

JVC SHALL NOT BE LIABLE FOR THE LOSS OF USE OF THE PRODUCT, INCONVENIENCE, LOSS OR ANY OTHER DAMAGES, WHETHER DIRECT, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS) RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion of incidental or consequential damages or limitations on how long an implied warranty lasts, so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

JVC COMPANY OF AMERICA  
DIVISION OF JVC AMERICAS CORP.

1700 Valley Road  
Wayne, New Jersey 07470

REFURBISHED PRODUCTS CARRY A SEPARATE WARRANTY, THIS WARRANTY DOES NOT APPLY. FOR DETAILS OF REFURBISHED PRODUCT WARRANTY, PLEASE REFER TO THE REFURBISHED PRODUCT WARRANTY INFORMATION PACKAGED WITH EACH REFURBISHED PRODUCT.

#### For customer use:

Enter below the Model No. which is located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No. : \_\_\_\_\_

Serial No. : \_\_\_\_\_

Purchase date : \_\_\_\_\_

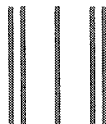
Name of dealer : \_\_\_\_\_

Thank you for purchasing

**JVC®**

Please do not send products or other  
correspondence to this address.

307 C



PLACE  
FIRST-CLASS  
STAMP  
HERE

**JVC®**

PRODUCT REGISTRATION DEPARTMENT  
PO BOX 13274  
DENVER CO 80201-3274



## PRODUCT REGISTRATION CARD/QUESTIONNAIRE

**US CUSTOMERS ONLY**

**Please return this registration card today to qualify for a monthly drawing that could reimburse you for the cost of your JVC product.**

Registering your product will allow us to contact you in the unlikely event a product safety notification is required.

This is not a warranty card. Retain your bill of sale for proof of warranty coverage.

**THANK YOU FOR PURCHASING THIS JVC PRODUCT**  
**REGISTER ONLINE AT: [WWW.JVC.COM](http://WWW.JVC.COM)**

**1** First Name: \_\_\_\_\_ Initial: \_\_\_\_\_ Last Name: \_\_\_\_\_  
 Address: (Number and Street) \_\_\_\_\_ Apt #: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

**2** Phone #: \_\_\_\_\_

**3** E-mail Address: \_\_\_\_\_  
 If you voluntarily provide us with your email address, you give us permission to share and use your email address to send you email offers that may interest you.  
 (EXAMPLE: yourname@yourhost.com)

**4** Date of purchase: \_\_\_\_\_  
 Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_

**5** Model Number: \_\_\_\_\_

**6** Serial Number: \_\_\_\_\_

**7** Name of store where purchased: \_\_\_\_\_

**8** Purchase Price: \$ \_\_\_\_\_ .00

**9** Did you:  
 1. ☐ Purchase this product yourself?  
 2. ☐ Receive this product as a gift?

**10** Is this product:  
 1. ☐ The first product of this type you have ever owned?  
 2. ☐ A replacement for a similar JVC product?  
 3. ☐ A replacement for a similar product made by another company?  
 4. ☐ An addition to a similar product you are still using?

**11** What factors most influenced your decision to purchase this product?  
 1. ☐ JVC brand reputation  
 2. ☐ Previous experience with JVC products  
 3. ☐ Price  
 4. ☐ Specific product features  
 5. ☐ Style/appearance  
 6. ☐ Salesperson's recommendation  
 7. ☐ Friend's/relative's recommendation  
 8. ☐ Warranty coverage  
 9. ☐ Other \_\_\_\_\_

**12** A. If you have purchased a mobile audio product, please tell us about the car or truck in which it was installed, otherwise, please tell us about the newest car or truck in your household.

Make: \_\_\_\_\_  
 (e.g. Ford)

Model: \_\_\_\_\_  
 (e.g. Taurus SHO)

Year: \_\_\_\_\_  
 B. Please check which applies:  
 1. ☐ Own  
 2. ☐ Lease

**13** Would you like information on JVC accessories or other JVC products related to the item you purchased?  
 1. ☐ Yes 2. ☐ No

**14** Would you be interested in purchasing an extended warranty for your JVC product? 1. ☐ Yes 2. ☐ No

**15** Your gender: 1. ☐ Male 2. ☐ Female

**16** Your marital status: 1. ☐ Married 2. ☐ Single

**17** Date of your birth: \_\_\_\_\_  
 Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_

**18** Including yourself, what is the total number of people living in your household?  
 (Examples: 01, 02, 03, 04...) \_\_\_\_\_

**19** Date of birth (month/year) of the other adults and children in your household:

Male	Female	Male	Female
1. <input type="radio"/> 2. <input type="radio"/>	1. <input type="radio"/> 2. <input type="radio"/>	1. <input type="radio"/> 2. <input type="radio"/>	1. <input type="radio"/> 2. <input type="radio"/>
Month _____ Year _____	Month _____ Year _____	Month _____ Year _____	Month _____ Year _____

**20** For your primary residence, do you:  
 1. ☐ Own 2. ☐ Rent

**21** Which best describes your family income?  
 1. ☐ Under \$15,000 7. ☐ \$100,000-\$124,999  
 2. ☐ \$15,000-\$24,999 8. ☐ \$125,000-\$149,999  
 3. ☐ \$25,000-\$34,999 9. ☐ \$150,000-\$174,999  
 4. ☐ \$35,000-\$49,999 10. ☐ \$175,000-\$199,999  
 5. ☐ \$50,000-\$74,999 11. ☐ \$200,000-\$249,999  
 6. ☐ \$75,000-\$99,999 12. ☐ \$250,000 or over

**22** Education:  
 (Please check which category applies to you):  
 1. ☐ Some high school 3. ☐ College degree  
 2. ☐ Completed high school 4. ☐ Graduate degree

**23** In the last six (6) months has anyone in your household purchased any of the following items through the mail and/or over the internet?

	A. Mail	B. Internet
1. Books/magazines	<input type="radio"/>	<input type="radio"/>
2. Children's products	<input type="radio"/>	<input type="radio"/>
3. Clothes	<input type="radio"/>	<input type="radio"/>
4. Insurance/financial products	<input type="radio"/>	<input type="radio"/>
5. Music/video/DVD	<input type="radio"/>	<input type="radio"/>
6. Travel	<input type="radio"/>	<input type="radio"/>
7. Other	<input type="radio"/>	<input type="radio"/>

**24** I use these credit cards:  
 1. ☐ American Express 4. ☐ Visa  
 2. ☐ Gas/Retail 5. ☐ Other \_\_\_\_\_  
 3. ☐ Master Card 6. ☐ Do not have credit cards

**25** Someone in my home participates in the following activities:  
 (Check all that apply)

1. <input type="radio"/> Automotive work	19. <input type="radio"/> Hunting/shooting
2. <input type="radio"/> Bible/devotional	20. <input type="radio"/> Investments (mutual funds, IRA's)
3. <input type="radio"/> Boating/sailing	21. <input type="radio"/> Investments (stocks & bonds)
4. <input type="radio"/> Camping/hiking	22. <input type="radio"/> Movie watching
5. <input type="radio"/> Casino gambling	23. <input type="radio"/> Own a cat
6. <input type="radio"/> Contribute to charitable causes	24. <input type="radio"/> Own a dog
7. <input type="radio"/> Crafts	25. <input type="radio"/> Personal computing / internet
8. <input type="radio"/> Cultural art/events	26. <input type="radio"/> Photography
9. <input type="radio"/> Cycling	27. <input type="radio"/> Read books
10. <input type="radio"/> Do-it-yourself	28. <input type="radio"/> Snow skiing
11. <input type="radio"/> Enter sweepstakes/contests	29. <input type="radio"/> Self improvement
12. <input type="radio"/> Fishing	30. <input type="radio"/> Soccer
13. <input type="radio"/> Fitness/exercise/jogging	31. <input type="radio"/> Tennis
14. <input type="radio"/> Gardening	32. <input type="radio"/> Travel-Foreign
15. <input type="radio"/> Golf	33. <input type="radio"/> Travel-U.S.
16. <input type="radio"/> Gourmet cooking/food/wines	34. <input type="radio"/> TV shopping
17. <input type="radio"/> Grandchildren	35. <input type="radio"/> Vitamins/natural foods
18. <input type="radio"/> Home decorating	36. <input type="radio"/> Watch sports on TV

Thank you for completing this questionnaire. Your answers will help us and other companies reach you with offers that may interest you.  
 If you prefer not to receive these offers, please check here [ ].